

# *Sneak Preview* 71

A Bridge City Founder's Circle Publication



[www.BridgeCityTools.com](http://www.BridgeCityTools.com)

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MK-1 Universal Marking Tool  
Introductory Offer Good  
Through May 13, 2005

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## IN THIS ISSUE....

An EXTRAORDINARY NEW Layout Tool

The Rarest Bridge City Tool Ever Made

John Economaki's next Solid Modeling Class

Bridge City Tools & More!

# This New and Unique Marking Tool Addresses Every Conceivable Marking and Layout Challenge

Every great woodworking project begins by nourishing an idea with forethought and planning—great work does not happen by accident. Once you enter the shop, and after your stock is prepped, the foundation of your project depends upon your layout skills—after all, what good comes from a perfect cut if your guide lines are in the wrong place?

The three most common tools used for creating or scribing guide lines are the pencil, the scratch awl and the marking knife. Depending upon your needs, all three may work for different reasons and skill levels—there is no panacea for the layout process. Of the three, the finest lines are achieved with a sharp marking knife.

We are very pleased to introduce to you the **MK-1 Universal Marking Tool**. This unique marking tool addresses every conceivable marking and layout challenge and is sure to help you achieve gallery quality craftsmanship.

Attached to a beautifully turned rosewood handle is a stainless steel and brass collet that allows the **MK-1** to firmly hold awl points or knives. The elegant combination of beauty and ease of use makes the **MK-1** one of the most pleasurable and easy-to-use tools in our family.

There are many reasons why the **MK-1** may become one of the most used tools in your shop, here are a few:

The straight awl is perfect for many marking applications and really excels when you need to precisely stab-locate screws or drill points. It is also very easy to sharpen—simply chuck the straight awl in your portable hand drill and sharpen the spinning point on the side of a sharpening stone (*never the top*).

The bent tip awl has a myriad of marking uses and also shines for many obscure needs—cleaning deep recesses and corners where other tools can't reach for example. In many cases, the bent-tip awl is much easier to use as a scratch awl because it is much more ergonomic—the bend is in the point, not your wrist. The bent tip awl point is not quite as easy to sharpen as the straight awl, but it doesn't take long—we use a “dart sharpener” and this works great.

Nothing makes a finer mark in wood than a marking knife and great, light-tight joints are only obtainable when your reference lines are dead-on. Using a marking knife is fairly easy; you almost always use the flat side of the knife to ride against your reference surface to create a mating profile.

Traditionally, marking knives come in three flavors, left-handed, right-handed and the spear point. Generally speaking, the left, or right-handed knives will get into tighter situations but absolutely will not work all of the time. The universal, or spear point knife, which works in either hand is undeniably fast, but has a limited reach. Most woodworkers who use marking knives have all three versions. Although marking knives are not

difficult to sharpen, the right and left-hand knives are easier than the spear point because their bevels are longer.

Each of the three marking knives are made from A-2 steel and are hardened to Rc 58-60. They are precisely factory sharpened and ready for immediate use. Blades are  $\frac{1}{16}$ " thick by approximately  $\frac{7}{16}$ " wide. They protrude from the front of the collet (length) approximately  $2\frac{1}{4}$ ". The awl points are made from high carbon steel and hardened to Rc 55-59. The awl points are  $\frac{3}{16}$ " in diameter and taper to nearly a point. A fine, conical point is ground on the end. The straight awl point protrudes approximately  $3\frac{1}{2}$ " and the bent awl tip protrudes approximately  $3\frac{1}{4}$ ". The total length of the handle is approximately  $4\frac{3}{4}$ " and just over 1 inch in diameter at the widest section. The rosewood handle is polished and waxed.

Lastly, this beautiful tool set comes with a protective leather tool roll that is tough and durable but has a soft supple feel. Changing from one marking tool to another takes ten to fifteen seconds and we believe this is the finest marking tool available today.

## Our Special Offer

Until May 13, 2005 enjoy our introductory Founder's Circle special on the **MK-1 Universal Marking Tool Set**. This specially priced package is our lowest price and your best buy!

## SAVE \$21 ON OUR BEST BUY PACKAGE!

### MK-1 UNIVERSAL MARKING TOOL SET

(Includes handle with collet, left & right hand knife blade, spear point knife blade, straight & bent tip awl blade and leather tool roll.)

1101-186.....\$195.00 (FOUNDERS \$184.00)

### SINGLE TOOL OPTIONS

MK-1 KNIFE (Left Hand) 1101-186-1...\$108.30 (FOUNDERS \$97.47)  
Spare Blade 1101-186-1R.....\$39.00 (FOUNDERS \$35.10)

MK-1 KNIFE (Right Hand) 1101-186-2...\$108.30 (FOUNDERS \$97.47)  
Spare Blade 1101-186-2R.....\$39.00 (FOUNDERS \$35.10)

MK-1 SPEAR POINT KNIFE 1101-186-3...\$112.10 (FOUNDERS \$100.89)  
Spare Blade 1101-186-3R.....\$43.00 (FOUNDERS \$38.70)

MK-1 STRAIGHT AWL 1101-186-4...\$79.80 (FOUNDERS \$71.82)  
Spare Blade 1101-186-4R.....\$9.00 (FOUNDERS \$8.10)

MK-1 BENT TIP AWL 1101-186-5...\$81.70 (FOUNDERS \$73.53)  
Spare Blade 1101-186-5R.....\$11.00 (FOUNDERS \$9.90)

MK-1 HANDLE WITH COLLET 1101-186-6...\$75.00 (FOUNDERS \$67.50)

*There are no serial numbers or custom engraving available for this tool. Please allow 4-6 weeks for delivery. Automatic order customers will receive item 1101-186.*



A line in wood made with a marking knife is a good way to register a chisel “by feel” for final paring cuts on dovetail or mortise and tenon joinery. It also allows easier “sawing to the line” without getting tear-out along the cut line. Tear-out is stopped by the marked scribe line ensuring a super clean edge.



## We Only Made 125 of these Beautiful Planes — and there are less than 20 Remaining...



Produced only once in a limited quantity of 125, these breathtakingly beautiful planes exude quality from tip to toe and are a fitting tribute to our tradition of offering heirloom tools symbolic of Bridge City Tool Works. The compelling workmanship combines accuracy, usefulness and visual appeal without compromise.

We have been building fine tools for over twenty-two years and this amazing plane is the first Bridge City tool to bear our tool designer's name (*John Economaki*). The "Economaki Low Angle Smoother" is the rarest tool we have ever built – and we will never build it again. Whether you use this tool or understand the dynamics of tool collecting, you cannot go wrong with this extraordinary, limited edition plane. The "Economaki Low Angle Smoother" represents a grand opportunity for users and collectors alike. **If this plane appeals to you, please call 1-800-253-3332 for further details and information.**



The innovative cap iron/chip breaker (*patent pending*) "loads" the cutting edge with more force than it will encounter in use and adds mass directly behind the cutting edge which dampens vibration, making the Economaki LA Smoother one of the finest low angle planes ever made.

## Look at this Stunningly Gorgeous Wine Opener!

Feast your eyes on the grace and function of this exquisite, rosewood infilled wine opener. Features a one-handed foil knife, a slim (*and sharp*) corkscrew and a plated cork lever. This is a professional tool with an unbeatable presence. This timeless beauty is a classy gift idea for any wine enthusiast and is one of the most fondled tools in our showroom. Rarely will you find such a well-conceived tool.



### ROSEWOOD WINE OPENER

8820-002.....\$95.00 (FOUNDERS \$85.50)

### About Our Delivery Schedule

All our tools are specially made tools. If "WHEN" we deliver, is more important to you than "WHAT" we deliver, you may at times be frustrated with us. Please note: All tools are shipped in sequence as the orders are received. **We make no promises for delivery by a specific date. Credit card orders are not billed until the day the tool is shipped.**

### Satisfaction Guarantee

We stand behind everything we sell. If for any reason you are not 100% satisfied with your purchase, simply return the item **WITHIN 90 DAYS** for an exchange or a full refund on the merchandise. Tools received beyond the 90 day guarantee are processed under our "Lifetime" warranty.

**Become A MEMBER OF THE  
FOUNDER'S CIRCLE Today!  
And SAVE 10% OFF EVERY  
ORDER and Much More!**



The Founder's Circle/Founder's Circle Plus Membership provides many exclusive benefits for its members. The \$45/\$75 annual membership dues entitles members to receive the following:

**"Sneak Preview" Announcements.** Ensures our members receive the Sneak Preview catalogs that introduces new tools four or five times per year and will always be offered our new tools at a price lower than anyone else.

**Catalog Discounts & Special Sales.** Members receive a 10% discount off retail purchases from our catalog. Members with email addresses receive additional discounts on sale items in our popular email only sales.

**Exclusive, one-of-a-kind tool offerings.** Once a year, we design and manufacture one new tool offered exclusively to the Founder's Circle members, never to be made again! Additionally, you can plan on other "Special Occasion" introductions that will only be offered to Bridge City Founder's Circle members. Founder's Circle Plus members receive an additional 10% discount on Commemorative Tool offers.

**Free engraving on all tool purchases!** On each tool, your first three letters are free, additional letters are half price, at \$1.00 per letter. Founder's Circle Plus members receive unlimited free engraving.

**"Signature Series" Tools!** The initial production run of a new tool is numbered and carries the designer's signature, John Economaki. Members have the option of purchasing all future "Signature Series" tools with the same serial number. Your membership entitles you to reserve one number for the duration of your membership year. Founder's Circle Plus members are entitled to four numbers. Additional numbers may be reserved for \$10.00 each, per year, with your membership.

**Automatic Ordering.** Members may opt to have new tool introductions automatically sent without ordering and receive an additional 2% discount off the tool price. If you receive a tool under this plan and do not wish to keep it, simply return the tool within 90 days, and we will issue you a full refund. This is a no-risk service for those who do not want to miss a good deal.

**Convenience of Automatic Renewals.** Three weeks prior to your membership expiration date, we will send you an automatic renewal notice. This is known as a Negative Option Membership Plan. If you do not wish to renew your Founder's Circle membership, you may notify us by phone (800-253-3332), fax (503-287-1085), e-mail (sales@bridgecitytools.com) or mail at any time during your membership year. Should you forget to inform us that you wish to cancel your membership, all you have to do is request a no-hassle refund.

**No-risk proposition.** Refunds consist of membership dues less any discounts that were applied during your membership year. Refunds will not be approved if commemorative tools have been ordered and received.

## This Amazing Little Tool Will Make You a Faster and More Accurate Woodworker

The **FR-1 Folding Rule & Caliper** is several tools in one and all perform with stellar precision. Here are the main features of this useful device:

- 12" Left-to-Right reading ruler,  $\frac{1}{32}$ " graduations
- 12" Right-to-Left reading ruler,  $\frac{1}{32}$ " graduations
- Center Rule, 5" capacity,  $\frac{1}{32}$ " graduations
- 4" Caliper,  $\frac{1}{32}$ " graduations direct, mm by adjacent scale.  
Works identical in either the right or the left hand!
- Locking Depth Gage

### FR-1 FOLDING RULE AND CALIPER

**1104-179**.....**\$119.00** (FOUNDERS \$107.10)

Custom Engraving: 3 characters.



To check the depth of a mortise, simply slide the depth stem to the bottom of your mortise, lock in place and use the caliper jaw to read the depth stem.

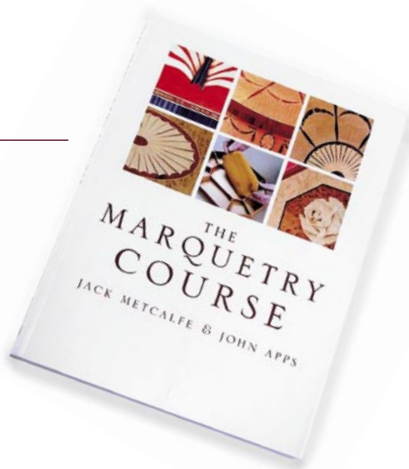


## There is No Great Secret to Marquetry, Here's the Book YOU Need to Get Started and Keep Going!

Written by two expert teachers with over 30 years of experience, *The Marquetry Course* is a definitive effort for those wanting a full experience to the craft. There are over 300 step-by-step lavishly captured photographs with easy-to-understand instructions. *The Marquetry Course* is a "cornerstone" book, you can build an important part of your woodworking future with this single book! 176 pages, softbound.

### THE MARQUETRY COURSE

**4408-102**.....**\$19.95** (FOUNDERS \$17.95)



## Dead-On, Chatterless Counter Sinks Are Easy With this Single Flute Countersink

A **single flute countersink** will only make PERFECTLY concentric countersinks, it's the multiple flutes which cause chatter. This is the best woodworking countersink we have ever used.

### 82-DEGREE COUNTERSINK

**7601-012**.....**\$24.95** (FOUNDERS \$22.45)

Custom Engraving is Not Available.



## A Small Hammer Prevents You From Overpowering Your Intent, Eliminating Oversized and Unintentional Strike Marks

JH-1S



JH-1H

Head Diameter:  $\frac{9}{16}$ " &  $\frac{13}{16}$ "  
Weight: 3- $\frac{1}{2}$  ounces.

We have created two small hammers designed specifically for the bench woodworker. There's no finer tool for inserting dowels, pins, tapping delicate joints together or a myriad of other sensitive tasks.

Our **JH-1 Jointmaker's Hammers** come in a brass or stainless steel head. They are double faced for delicate work and are securely blind wedged to the handle. Use the brass hammer with its soft face for those applications where you definitely do not want to leave a strike mark (*never use a soft face hammer for nails or brads*). For those applications where you may want to persuade a harder material, we recommend the stainless steel head.

**Important note:** These are both soft-face hammers. They are designed to become beat-up and disfigured and are not covered by our lifetime warranty.

### JH-1S BRASS HAMMER

**1102-074**.....**\$49.00** (FOUNDERS \$44.10)

### JH-1H STAINLESS STEEL HAMMER

**1102-075**.....**\$49.00** (FOUNDERS \$44.10)

### BUY BOTH & SAVE \$5!

### BRASS & STAINLESS STEEL HAMMER SET

**1111-013**.....**\$93.00** (FOUNDERS \$83.70)

Custom Engraving: 5 characters.



## This Amazing Tool Provides Accuracy Never Before Seen in a Woodshop



The **AM-1 Angle Master** is a device that relies upon trigonometry for its "soul" and provides accuracy never before seen in a woodshop. The **AM-1** allows you to set angles in five hundredths of a degree increments. Simply use a ruler, beam compass or trammel and set the two index pins to a measurement from the supplied guide. Mathematically, the accuracy of this concept allows for angles with a maximum linear error of 0.0008" over six inches. The **AM-1** is designed to be used in conjunction with the included *Reference Guide* that contains all angle settings from 90 degrees through 12 degrees, by 5 one-hundredths of a degree. Settings are available in either imperial or metric measurement systems.

### On sale!

#### AM-1 ANGLE MASTER

1102-092.....~~\$239.00~~ (FOUNDERS \$215.10)

**SAVE OVER \$59.....\$179.25** (FOUNDERS \$161.30)

Custom Engraving: 6 characters.



Any angle can be set with a standard 24" bench rule that reads to  $\frac{1}{16}$  th's or 1-mm.



Setting angles with a trammel or compass is a snap and is really easy with the Bridge City graduated trammel bar.



Transferring an angle to a T-bevel is the preferred method for setting saw blade angles.



The AM-1 Angle Master is really easy to use with a pair of digital calipers. This quick caliper setting determined 53.55° in a matter of seconds.



Setting table saw miter gages has never been easier. The AM-1 Angle Master fits perfectly in all popular table saws.



## Here Are 3,060 Compound Miter Settings!

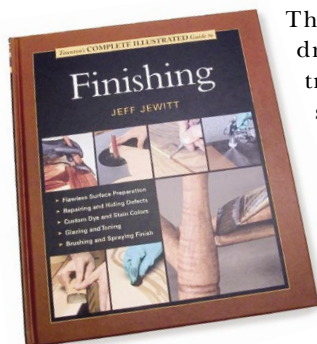
The *Woodworker's Guide to Compound Miters* is a definitive reference containing all the miter gage settings and saw blade tilt angles for table and radial arm saws. It is amazingly thorough and allows you to make compound angled projects from three to thirty-six sides. Note: This guide is useless without an accurate tool to set fractional degrees. Combined with the AM-1 Angle Master you have

a knockout combination. It is possible to make complex joinery without filler and you can do it easily. Don't hesitate, put this tool to work and you will expand your capabilities overnight!

#### WOODWORKER'S GUIDE TO COMPOUND MITERS

4405-002.....**\$5.00** (FOUNDERS \$4.50)

## At Last! The Most Complete and Detailed Book on Finishing!



There are more than 850 photos and drawings illustrating all modern and traditional finishing techniques—from sanding and surface preparation, all the way through staining, applying topcoats and final polishing. *Finishing* is arguably the most important aspect of your wood projects—get all the secrets for successful finishing in this must-have tome. This is the one and only finishing book you need! Highly recommended. 294 pages, hardbound.

FINISHING 4401-016.....**\$39.95** (FOUNDERS \$35.95)

## For Absolutely All Metals, a Fine Polishing Creme from MAAS®



The **Maas®** polishing system removes residue, rust, tarnish, oxidation and bonds an ultra thin protective coating to metal surfaces, sealing out elements that exacerbate damage. **Maas®** provides a rich luster for antiques, jewelry, models, musical instruments, sports equipment, the kitchen and bath, automotive restoration, even aircraft! Available in 2 oz. and 4 oz. tubes.

MAAS® POLISH 2 OZ. 6204-001.....**\$4.50** (FOUNDERS \$4.05)

MAAS® POLISH 4 OZ. 6204-002.....**\$7.00** (FOUNDERS \$6.30)

## Here are 2 Small Planes that Provide BIG Results!

For the myriad of tasks in your woodshop that are better served by smaller planes, we are pleased to offer you the **HP-3** and **HP-5 Small Block Plane**. There is no greater joy than working with tools that provide dead accurate and beautiful results. Each plane body is precisely milled from solid 360 brass alloy as is the plane iron cap creating a weight and balance to the tool that simply invites use. As a final touch, the cap iron knob has a matching rosewood in-fill.

With the cutting width just under 1", these small planes feature an adjustable throat and a very fine blade adjustment mechanism (*36 threads per inch*). The iron is cryogenically treated and hardened (*Rc 60-20*) A2 tool steel, and the back is lapped to a RMS 0.5 finish. Our planes are ready to use right out of the box.



HP-5

The attack angle of the **HP-3** is 42 degrees and is an amazing tool for thinner edges and flush trimming. The attack angle of the **HP-5** is 52 degrees. Compared to the **HP-3**, a ten-degree difference is huge in performance when needed. The **HP-5** is suitable for

those small jobs where grain blowout can wreck your piece. Use this plane on all extremely hard woods like cocobolo, ebony, most other exotics and in all cases where grain switchback is obvious. Typical uses for

the **HP-5** include edge work on stock under 1/2" thick, chamfers and important facet details. When used properly, the **HP-5** will create edges facets and chamfers that are perfect where the **HP-3** will begin to lift grain. Small box makers, luthiers, fly rod makers, case makers, furniture makers, toy makers and others who work with small stock or fine details will greatly appreciate the benefits of the **HP-5**.



HP-3

### HP-3 SMALL BLOCK PLANE

**1101-173**.....\$239.00 (FOUNDERS \$215.10)

### HP-5 SMALL BLOCK PLANE

**1101-182**.....\$239.00 (FOUNDERS \$215.10)

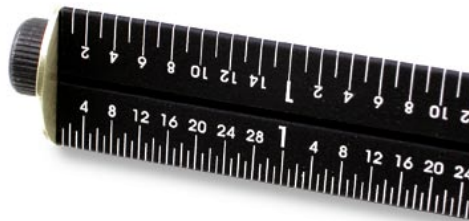
### HP-3/HP-5 REPLACEMENT IRON

**1101-173RB**.....\$29.00 (FOUNDERS \$26.10)

*Custom Engraving: HP-3 & HP-5: 6 characters.*

Tool	Weight	Length	Width	Height	Sole Length	Cutting Width	Attack Angle
<b>HP-3</b>	10.7 oz.	3.80"	1.30"	1.65"	3.25"	0.94"	42° (12° Bed, 25° Primary Grind, 5° Micro-Bevel)
<b>HP-5</b>	13.1 oz.	3.75"	1.30"	1.80"	3.25"	0.94"	52° (22° Bed, 25° Primary Grind, 5° Micro-Bevel)

## Easy to Read Zero Glare Rules are Particularly Useful for "Over 50" Eyes



**Specifications** - Height: 0.56", Width: 0.66"

The **BR-6** and **BR-12** are simply the finest rules you will ever have in your shop. Each comes with a removable end hook. The triangler cross section allows for six rules in one tool. **Graduations include:** left to right 32nds, left to right 16ths, right to left 16ths, millimeters, centering rule and offset rule.

### BR-6 ZERO GLARE POCKET RULE (6")

**1101-124**.....\$14.95 (FOUNDERS \$13.46)

### BR-12 ZERO GLARE BENCH RULE (12")

**1101-137**.....\$19.95 (FOUNDERS \$17.96)

*Custom Engraving is Not Available.*

## Steel Wool is Steel Wool is Steel Wool. Ha!

This steel wool contains no oil (*most do*) and has a long filament structure (*most don't*). Does not crumble and lasts much longer. Use the "0000" for removing blemishes from brass, polishing finishes and wax applications. Imported from Europe. 250 g sleeve.



### "0000" STEEL WOOL (250g)

**2207-002**.....\$8.95 (FOUNDERS \$8.05)

### "0000" STEEL WOOL (125g)

**2207-004**.....\$4.95 (FOUNDERS \$4.45)

### This Is How We Put The Shine On Our Tools!

**Professionals Wax** is the paste wax used to protect our beautiful tools. Periodic cleaning will restore your tools like new and renew your creative spirit. Great for turnings, boxes and any small piece you want to protect.

### PROFESSIONALS WAX (14 oz. Tin)

**2207-001**.....\$19.95 (FOUNDERS \$17.95)

### SAVE WHEN YOU ORDER BOTH!

### PROFESSIONALS WAX & STEEL WOOL KIT

(Includes: 14 OZ. Tin Professional Wax & 250g Steel Wool)

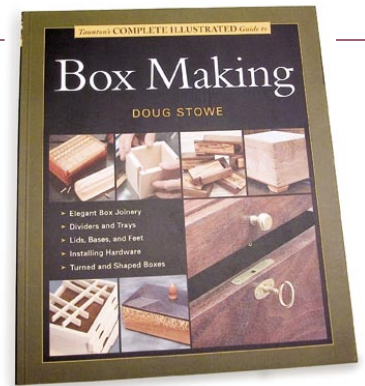
**2207-003**.....\$24.75 (FOUNDERS \$22.25)



## Discover Many NEW Ways to Create Elegant and Useful Boxes!

**Box Making** is an illustrated guide with over 500 step-by-step photographs and drawings for making joined, turned and band sawn boxes. Includes basic techniques, tips and in-depth knowledge necessary for making boxes of all kinds. 151 pages, softbound.

BOX MAKING 4401-015.....\$24.95 (FOUNDERS \$22.45)



## Divide in Seconds Using No Math with Our Spider Divider



The **SD-6 Spider Divider** is a revolutionary layout device that can make your time in the shop as productive as you have always dreamed.

Mathematically, the **SD-6** is a base six sectional divider with an additional leg to use as an outside caliper. You can easily divide your work by sixths, fifths, fourths, thirds or halves as well as tenths, ninths, and eighths, instantly. For example,

to find tenths of a length, first find center and then divide each half into fifths. It takes seconds, and there is absolutely no mathematics involved for your brain to trip over. Or, use it as a measuring stick to determine interior dimensions up to 32" in length.

Made from black anodized aluminum, the **SD-6** is an exciting addition to any shop. The effective capacity of the **SD-6** is 4" through 27". The measuring capacity of the **SD-6** as an outside caliper is 32".

SD-6 SPIDER DIVIDER

1102-080.....\$195.00 (FOUNDERS \$175.50)

Custom Engraving: 3 characters.

## Just When You Thought You Knew EVERYTHING About the Table Saw—Here's PART TWO!

**Jim Tolpin's Table Saw Magic**, a professional guide to making the most out of your table saw, has just been reprinted in a wonderful 2nd edition with even more great surprises! Featuring a very innovative sled system, you will marvel at the ease which you can accurately cut stock and joints. There's a whole lot more to ripping and crosscutting on a table saw—here are the secrets from a real pro. 192 pages, softbound.

JIM TOLPIN'S TABLE SAW MAGIC 4428-023.....\$24.99 (FOUNDERS \$22.49)



## These Tape Measures are so COOL and AFFORDABLE!

STANDARD



METRIC/STANDARD



Each comes equipped with a built-in ergonomic belt clip, pencil sharpener and note pad for the convenience of recording all your measuring tasks. Now, all you need is a pencil. The heavy-duty thick blade is 1" wide and 16' long. The **Pad Standard Tape Measure** features reversible measurements that are easy to read from the either right or left hand and is accurate within  $\frac{1}{16}$ " of an inch. Measurements on the **Pad Metric/Standard Tape Measure** are in increments of  $\frac{1}{16}$ " and 1mm.

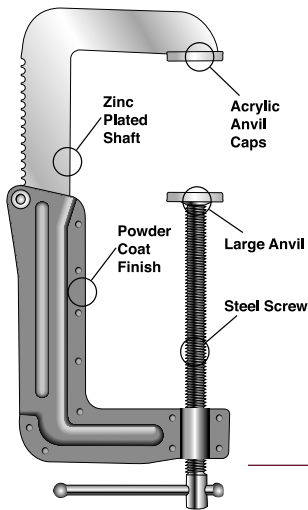
PAD STANDARD TAPE MEASURE (GREEN)

6630-010.....\$6.50 (FOUNDERS \$5.85)

PAD METRIC/STANDARD TAPE MEASURE (YELLOW)

6630-009.....\$6.50 (FOUNDERS \$5.85)

## Here's an EXTENDABLE C-Clamp that is also STRONG!



How many times have you been frustrated using C-clamps because you do not have the right size clamp? The **Stretta™ Extendable C-Clamp** is your solution! This innovative extendable C-clamp offers greater flexibility when clamping varying thickness of material. The extendable arm can quickly adjust to a wider opening to increase your working range. Simply tip and slide the extendable arm to the exact width needed and tighten the T-handle. All you need is just a few turns to reach the desired jaw width. Strong enough for most applications, this innovative clamp is economic and easy to use. (Maximum load: 400 lbs, 4"-7" opening)

### STRETTA™ EXTENDABLE C-CLAMP

7703-001.....\$11.00 (FOUNDERS \$9.90)

- High Tensile Steel Construction
- Durable Powder Coat Finish
- Zinc Plated Shaft Extends for Quick Fit
- Adjust in 1/8" Increments
- Durable High Quality Steel Screw
- Large Anvil For Maximum Contact Area
- Acrylic Anvil Caps for No-Mar Clamping
- Lifetime Warranty

## Our Pin Vise Frees the Demands on Your Fingers

A pin vise is a logical tool for holding small tools, parts or other items firmly and safely. Drills, files, hex keys, screwdriver bits, nut drivers, and custom work are the tip of the iceberg for the 3-jaw **PV-1 Pin Vise**.

Each rosewood handle is hand turned and polished by our master turner, Mark Stevens. The overall feel of the tool is balanced and the appearance is a fitting continuation to our family of heirloom tools. Bonus: Includes an insert that will hold #11 knife blades.

PV-1 PIN VISE 1101-144.....\$149.00 (FOUNDERS \$134.10)

Custom Engraving is Not Available.



### Specifications

Overall Length: 7" Length From Ferrule To End Of Chuck: 2-1/2"

Length Of Wooden Handle: 4-3/4"

Width Of Handle (Widest Section): 1-1/2" Chuck Capacity: 0.004" - 0.250"

## Woodturners PAY ATTENTION! Over 500 Woodturning Profiles!



Most turned shapes that "stand the test of time" are not discovered by accident, they are the result of understanding and careful execution. **Shapes For Woodturners**

will help you become a better woodturner by taking the "guesswork" out of your forms—which often only yields amateurish results.

In Part I you will learn techniques entailing safety,

equipment, timber selection, turnery techniques and finishing. Part II is a catalog of profiles and shapes (*on a grid for easy replication*) that will inspire and provide hundreds of ideas. Woodworkers of all levels will find this informational sourcebook to be very handy and useful. Highly recommended. 127 pages, softbound.

### SHAPES FOR WOODTURNERS

4420-003.....\$15.95 (FOUNDERS \$14.35)

## A Great Tool for Small Scale Work

Using tools sized for the job is one of the many joys of working wood successfully. As an example, the differences between building an armoire and a music box are simultaneously similar and different. Although the woodworking processes are very similar, the tools employed are different in size.

The **DS-6 Double Square** is handy simply because it does not have a 45 degree leg. This tool works great in conjunction with other combination squares where you have multiple settings and don't

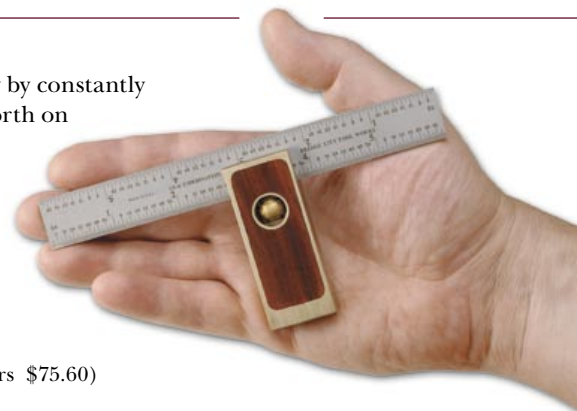
really care to compromise consistency by constantly adjusting the blade length back and forth on the same project. This is usually a recipe for "gaposis" and the "putty cure" down the road.

Graduations: 1/8", 1/16", 1/32", 1/64"

### DS-6 DOUBLE SQUARE

1101-126.....\$84.00 (FOUNDERS \$75.60)

Custom Engraving: 8 characters.





# Our Carefully Balanced Scratch Awls Provide Unparalleled Control for Pinpoint Layout

Our scratch awl handles are flawlessly hand-turned by master turner, Mark Stevens. The uniquely crafted handles sit atop a hardened steel scribe point and is ready for the toughest of scribing or center marking chores.

The **SA-1 Scratch Awl** is great for starting screw holes and making divots for brad point drills because the point acts as an extension of your index finger.

SA-1 SMALL SCRATCH AWL

1101-058.....\$39.00 (FOUNDERS \$35.10)

Our **SA-2 Scratch Awl** is a perennial best seller that is perfect for marking dovetails, mortise and tenons or tracing profiles.

The **SA-3 Bent Tip Scratch Awl** really shines in awkward places and is amazingly easy to use. Try it once and you will be hooked!

SA-2 LARGE SCRATCH AWL

1101-018.....\$45.00 (FOUNDERS \$40.50)

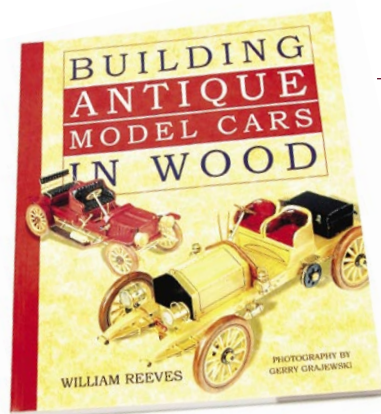
SA-3 BENT TIP SCRATCH AWL

1101-088.....\$49.00 (FOUNDERS \$44.10)

SA-1  
Overall Length: 5"  
Blade Length: 3-3/8"

SA-2  
Overall Length: 8"  
Blade Length: 4-1/2"

SA-3  
Overall Length: 8"  
Blade Length: 4-1/2"



## This is One REALLY COOL BOOK!

If you want to KNOCK THE SOCKS off your next door neighbor, build a project from this amazing book. We read just about every woodworking book published and can honestly say, this book is full of classy projects and NOT ONE is hokey, bland, or mediocre. As a matter of fact, we think you can start a side business using these projects as a start. No kidding! Each model is historically accurate down to the smallest details, and the end results are jaw-dropping gorgeous. Highly recommended and act fast, the holidays are just around the corner! (96 pages, softbound)

BUILDING ANTIQUE MODEL CARS IN WOOD 4408-010.....\$12.95 (FOUNDERS \$11.65)

## Adjusting the Accuracy of This Square is Quick and Easy, Ensuring a Lifetime of Accurate Use

The **AS-3 Adjustable Try Square** measures 3" on the outside and 2" on the inside rule, easily fits into an apron pocket and really shines when setting router bit depths or when making small drawers, scaled work, box making, toy making and model making.

### Specifications

**Accuracy:** Field adjustable, factory set to 90 degrees, plus or minus 0.001" over the blade length, inside and outside.  
**Handle:** Solid 360 alloy, half-hard brass, rosewood in-fill. **Blade:** Hardened steel (Rc 54), satin chromed finish, photo-chemically etched. **Graduations:** 32nds **Blade Width:** 0.92" **Blade Thickness:** 0.041"

AS-3 ADJUSTABLE TRY SQUARE 3" 1101-063.....\$84.00 (FOUNDERS \$75.60)

Custom Engraving: AS-3 characters.



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[www.BridgeCityTools.com](http://www.BridgeCityTools.com)



Shop Online and a Whole Lot More! BridgeCityTools.com is a secure, full e-commerce web site packed with amenities. At any time you can: shop online, exchange ideas with other woodworkers in our Forums, get detailed technical information on all our tools, post an ad to buy or sell in our Want-Ad section, get hard to find woodworking answers, or contact a Customer Service Representative plus much more! Visit [www.BridgeCityTools.com](http://www.BridgeCityTools.com) today! Note: For your security, our site requires version 4.0 browsers or higher.



## For Large Arcs and Circles, Use Our Trammel Set

A trammel set is an essential woodworking tool for large geometric construction and layout. Specific uses include the generation of curves for the back of chairs, large curves at the end of tables, arched windows and doors, round tables, wheels, all circular, arc, and ellipse layout, geometric constructions, repetitive spacing, and a couple of interesting

measuring functions. Three heads are used to lay out precise parallel lines around a common center point (*arched window frames are an example*), and for generating ellipses of all sizes.

Our solid brass trammel heads are drilled and tapped to receive a locking knob and a stainless steel collet. On one of the heads we mill an internal cursor. Finally, we cap each trammel body with one of our signature rosewood infilled locking knobs.



It's hard for you to lose one of our trammel heads off the bar as they are firmly held in place with our "T" bar.



Use a pocket rule to calibrate the points and you will never have to worry about the accuracy of this precision tool. Circles and arcs have never been faster or easier.



**Points:** Hardened steel (Rc 60), Diameter: 0.300", Length: 5"  
**Heads:** Solid 360 alloy half-hard brass, Juara™ wood infill brass locking knob.  
**Bar:** Juara™ wood with photochemically etched, black-filled 1 meter rule. Graduations in English (16th's & 32nd's).

**PT-1 PRECISION TRAMMEL SET**  
*(Includes: pair of trammel heads, points and one bar with meter rule.)*

**1111-011.....\$259.00** (FOUNDERS \$233.10)  
*Custom Engraving: 25 characters.*

## Create One-Of-A-Kind Objects of Beauty that Inspire!

Woodworkers of all levels will be intrigued and inspired by the 15 irresistible box projects richly illustrated in this book. Step-by-step instructions and complete drawings are provided "including cut lists" accompanied by full-color photos and sidebars that detail the most difficult steps. Your "stuff" deserves the best! 128 pages, softbound.

**SIMPLY BEAUTIFUL BOXES 4428-016.....\$21.99** (FOUNDERS \$19.79)



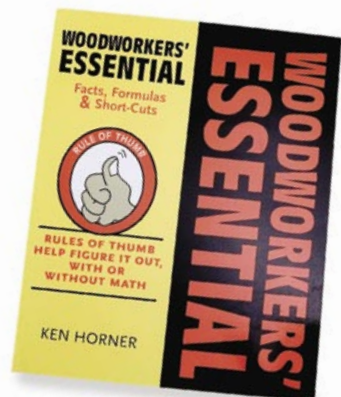
## Here's the Perfect Square for Intricate Miter Work

The **MS-1 Jointmaker's Miter Square** is perfect for small scale work. The blade is 6-1/4" long. It is ideal for face frame or edge miters and fits in your apron pocket. Makes a great gift or starter tool for any woodworker. Accuracy is plus

or minus 0.002" over the blade length on both sides.  
*(Solid Juara™ wood, Blade Specifications: Length: 6.25", Thickness: 0.094", Width: 1.00")*

**MS-1 JOINTMAKER'S MITER SQUARE 1102-005.....\$79.00** (FOUNDERS \$71.10)

*Custom Engraving: 24 characters.*



## Enjoy Workshop Success WITHOUT Confusing MATH Calculations and BOATLOADS OF OTHER USEFUL STUFF!

Formulas, discussions, problems and solutions...this handbook has it all! Fact-packed with information that will help you easily solve complex workshop problems. With 30 chapters of clear writing, everything you ever needed to know about working with your hands is here along with all the other stuff you don't know you need yet. Includes 321 illustrations, dozens of useful tables, "no math" rules of thumb, step-by-step examples and more! 311 pages, softbound. We give it our highest ☆☆☆☆☆ recommendation.

**WOODWORKERS' ESSENTIAL FACTS, FORMULAS & SHORT-CUTS**  
**4425-001.....\$24.95** (FOUNDERS \$22.45)





## Take Your Box Making Up a Notch, Try these Inlay Techniques!

If you love making elegant boxes—whether for yourself or as gifts—you will greatly appreciate the new skills you will learn with this new book. Filled with 15 full-color, step-by-step projects, *Creating Beautiful Boxes with Inlay* features detailed cutting lists and techniques that will take your work to the next level. Try them on boxes and then on larger projects, inlay is so classy when done well. 128 pages, softbound.

CREATING BEAUTIFUL BOXES WITH INLAY 4428-020.....\$24.99 (FOUNDERS \$22.49)

## It is Easy to Get a Firm Grasp on Small Projects with this Ingenious Small Vise!

The **BV-1 Bench Vise System** is the most versatile work-holding device available today! By attaching the bench vise clamp to any horizontal or vertical surface (*from tables to doors*), you have a superior mechanism for holding an unimaginable array of small parts. Round stock can be firmly held and worked upon in the optional 1/4" chuck, while objects of nearly any shape can be held firmly by the pin vise jaws. And if the need occurs, multiple vises and/or chucks can be used simultaneously. Capacity of the vise without the pin jaws is approximately 2-1/4", and 1-3/4" with the jaws attached. The chuck will hold all diameters up to 1/4". The vise and chuck are affixed to the clamp arm with a threaded nut.

The **BV-1** is an extraordinary tool that will allow you to address all of your small work holding needs at just about any angle. This is the perfect tool for woodworkers, carvers, model makers, model railroad enthusiasts, electronic hobbies, soldering, jewelry making, clock repair and scores of other interests. It's fast to set up and equally fast to put away when not needed.

### BV-1 BENCH VISE SYSTEM

*Includes: Bench Vise Clamp, Vise Assembly for Bench Vise Clamp, 1/4" Chuck and Pin Vise Jaws (2) with 16 Pins.*

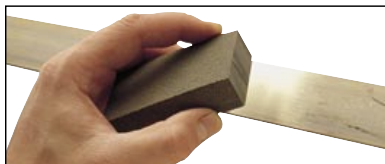


*On Sale!*

1101-158.....\$239.00 (FOUNDERS \$215.10)  
SAVE \$48.....\$191.00 (FOUNDERS \$171.90)

*Custom Engraving: 10 characters.*

## The Sandflex is Truly Amazing!



**Sandflex** is great for cleaning and polishing all kinds of metal like cast iron machine tops and other aged metal surfaces. An abrasive rubber (*somewhat like a pencil eraser*) is saturated with

silicon carbide particles that slough away discoloration and surface scratches in metal. **Sandflex** is self-sharpening, will not clog or dull like sandpaper and is easily cut with a knife to conform to irregular shapes. Can be used either wet or dry. Use coarse for quick cleaning, fine for polishing, and medium for everything in between! Each is 3" x 2" x 3/4".

### SANDFLEX, COARSE

6206-001.....\$4.95 (FOUNDERS \$4.45)

### SANDFLEX, MEDIUM

6206-004.....\$4.95 (FOUNDERS \$4.45)

### SANDFLEX, FINE

6206-002.....\$4.95 (FOUNDERS \$4.45)

### SAVE WHEN YOU ORDER ALL THREE!

SANDFLEX SET (*Includes one of each: Coarse, Medium & Fine*)

6206-003.....\$13.95 (FOUNDERS \$12.55)

## All Meat and No Potatoes: Here's a Woodworking How-To Powerhouse!

Most of us are rarely let down by the publishers of *Fine Woodworking*, and this brilliant book is certainly no exception. The editors have selected the best articles from past issues of the magazine that cover just about every subject you might encounter in your shop.

It's all here; table construction, drawers and doors, finishing techniques, veneering, inlay and much more. For the amateur or professional craftsman alike, this richly photographed work will get you over all the obstacles ensuring your work is worthy of the space it occupies! 185 pages, softbound.

WOODWORKING TECHNIQUES 4401-014.....\$17.95 (FOUNDERS \$16.15)



# The HP-6 Mini Multi-Plane Family is Growing!



Using only the HP-6 Rabbet Sole, the HP-6 Mini Multi-Plane makes an excellent small bench plane. The 55-degree attack angle is perfect for hard to plane woods.

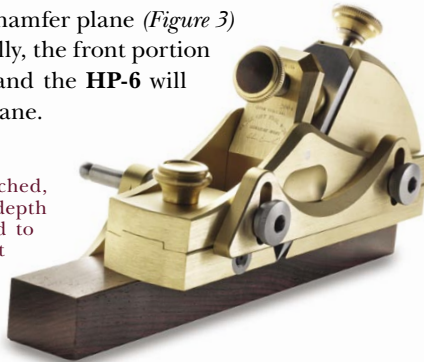
## How It Works

The **HP-6 Mini Multi-Plane** functions as a small plane system with interchangeable soles and mated, self-indexing irons. The precision machining of the bottom of the plane frame insures that all future soles will fit perfectly. The same blade adjustment mechanism works for all irons. Want to change from a rabbet plane to a radius plane? The process takes about five minutes! Remove the rabbet iron, then the sole, place the radius iron into the body and tighten, slide the back portion of the radius sole up to the iron and tighten, attach the front (*throat*), adjust the iron for depth of cut and you are done.

## The HP-6 as a Rabbet Plane

The **HP-6** easily converts into into a small 55-degree pitched block plane (*bevel down*). The front sole is adjustable to vary the throat opening. The micro adjuster makes it easy to precisely control your depth. Add the depth fence (*Figure 6*), a guide fence (*Figure 7*) and the circular scoring cutter (*Figure 5*) and the **HP-6** becomes a small rabbet plane (*Figure 1*). Or, when both guide fences are attached with mitered rails, the **HP-6** functions as the finest chamfer plane (*Figure 3*) you have ever used. Additionally, the front portion of the sole can be removed, and the **HP-6** will serve as a limited use chisel plane.

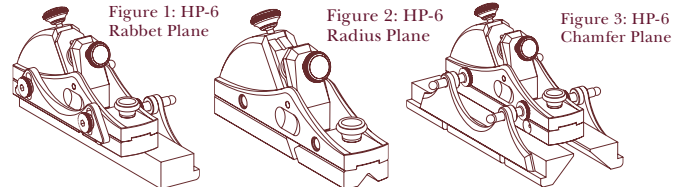
With the HP-6 Rabbet Sole attached, rabbet depth controlled by the depth fence, and the guide rail adjusted to the rabbet width, the HP-6 Rabbet Plane is ready to plane away! It is a joy to use this beautiful tool and the circular scoring cutter provides razor clean corners.



Because rabbet cuts typically have a defined depth and width, they are cut in conjunction with a fence, a scoring cutter and a depth stop. The **HP-6** plane will accept fences on either (*or both*) sides of the body and the depth stop can be attached to either side as well. It is suitable for either right or left handed users.

## The HP-6 as a Radius Plane

The radius iron/sole combinations for the **HP-6** allows you to cut a perfect corner radius on both soft and hardwoods allowing you to make superb transitions that need no sanding! This simple and elegant cut is fast,

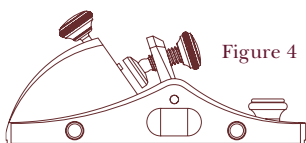


It is important to note, the HP-6 body is designed to accept precisely fitted irons so lateral adjustments are not required or needed.



The HP-6, as a radius plane, creates superb transitions that need no sanding on both soft and hardwoods.

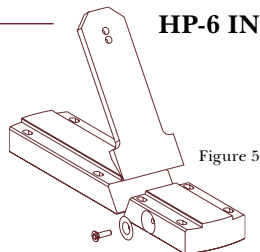
## HP-6 INDIVIDUAL COMPONENTS



HP-6 PLANE BODY  
1101-184.....\$219.00

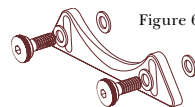
(FOUNDERS \$197.10)  
Requires appropriate sole & iron set  
(*Figure 5, 8 or 9*) to make a functional tool.

Custom Engraving: HP-6 Body:  
6 characters.

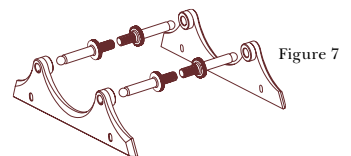


HP-6 RABBET SOLE & IRON SET  
1101-184-1.....\$119.00  
(FOUNDERS \$107.10)

SPARE IRON 1101-184RB....\$45.00



HP-6 DEPTH FENCE  
1101-184-2.....\$42.00  
(FOUNDERS \$37.80)



HP-6 DUAL FENCE SYSTEM  
1101-184-3.....\$95.00  
(FOUNDERS \$85.50)

### Specifications

Weight: 2.5 lbs. Body Length: 5.56" Body Width: 1.225"  
Height With Rabbet Sole: 2.89" Sole Length: 5.56"  
Maximum Cutting Width: 1.225"  
Attack Angle: 55° (55° Bed, 20° Primary Grind, 5° Micro-Bevel)  
Depth Adjustment Per Revolution: 0.023"





With the front half of the rabbet sole removed and the cutting edge of the iron set flush to the sole, the HP-6 transforms into a limited use chisel plane! This makes perfectly flush scores and is but one of the hundreds of uses for the HP-6 Mini Multi-Plane!

rewarding and is best described as *tranquility in motion*. Towards this purpose, we have two radius soles to choose from, one cuts a 0.0625" radius (Figure 7) and the other cuts a 0.125" radius (Figure 6). Both leave surfaces that need no sanding and are remarkably easy to set up and maintain.

Most molding style planes are used with

the iron set to the final depth of cut. By making multiple passes (*the plane will govern itself as to how much material is removed if you let the plane do the work*) you will reach a point where the entire profile has been formed. This technique works well for the **HP-6** because after three or four passes, the sole of the plane will prevent any further cutting. Setting the iron for the proper depth of cut is easily accomplished by adjusting the depth of the iron until the corners that define the radius are tangent with the sole—this takes all of 20 seconds or so. Because the HP-6 irons are pitched at 55 degrees, you will get excellent results in just about all woods.

Each radius iron is profiled on both ends. When one becomes dull, flip the iron around and you are back in business. Here's how to sharpen these irons...

Because the back of every **HP-6** iron is the reference surface for the rear sole, sharpening should always occur on the profile side of the iron. You can use a small, fine grit slip stone to hone the concave radius of the iron and this works fine. However, we prefer another technique—the results are faster and more consistent.



These rosewood guide rails feature threaded brass inserts for years of use and they are suitable for a myriad of applications. When attached to the brass fence(s) you can precisely guide the plane for accurate cuts.

For the 0.0625" radius cutter, we chucked a 3" long,  $\frac{3}{16}$ " diameter dowel in our drill press and put a small bit of diamond paste on the dowel. (We used #3 but just about any grit up to #15 works fine.)

Using the slowest speed of the drill press, it is very easy to register the concave profile in the iron with the revolving rod and honing the edge took seconds. For the 0.125" radius cutter, we used a  $\frac{3}{8}$ " diameter rod. You can also use identical diameter brass rod, it will last longer. (*Don't be alarmed about the discrepancy between the rod diameters and the profile radii, it takes a much larger diameter to create an exact radius profile when pitched at 55-degrees, but don't use larger diameters than our suggestion!*)



Each radius iron is profiled on both ends. The A2 hardened tool steel will perform admirably, and when one becomes dull, flip the iron around and you are back in business.

If you are going to plane cross-grain, it is preferable to "walk" the cutter to the proper depth, and you need to either work from each end towards the middle or use a backing board to avoid grain fracture at the ends of your stock. You will find that the A-2, hardened tool steel will perform admirably and when sharp, makes a cut that cannot be improved upon!

## Summary

Hand work is the best part of being a craftsperson. We believe the **HP-6** will bring a new found enthusiasm for working in wood. There is no woodworking task more rewarding than to shape your stock by hand and leave a surface that is not only true to the eye, but smooth to the touch. The **HP-6** will make it possible for you to have planes for many different uses without the bulk of the expense. Soles and irons can be added on a needed basis making the **HP-6** truly unique in today's marketplace.

Thank you for taking the time to read about this remarkable plane. We look forward to hearing from you after you have had a chance to put this fantastic tool through the paces in your shop.

Further details, illustrations and frequently asked **HP-6** questions are posted on our website at <http://www.BridgeCityTools.com>.



The HP-6 with the rabbet sole attached is a versatile tool. Attach a pair of mitered guide rails to the HP-6 Dual Fence System and you have one of the finest chamfer planes made anywhere!

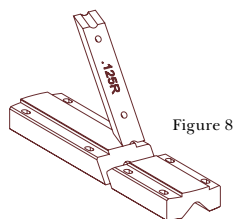


Figure 8

HP-6 0.125  
RADIUS SOLE & IRON  
1101-184-6.....\$129.00  
(FOUNDERS \$116.00)

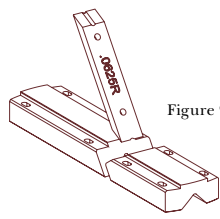


Figure 9

HP-6 0.0625  
RADIUS SOLE & IRON  
1101-184-5.....\$129.00  
(FOUNDERS \$116.00)

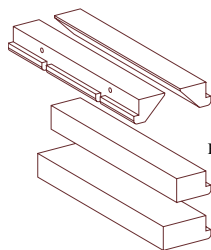


Figure 10

HP-6 WOODEN GUIDE RAILS  
1101-184-4.....\$39.00  
(FOUNDERS \$35.10)

SPARE IRON  
1101-184-125.....\$45.00

SPARE IRON  
1101-184-625.....\$45.00

## HP-6 RABBET PLANE SET

Includes: Plane Body, Rabbet Sole & Iron Set, Depth Fence & Dual Fence System.  
690.....\$475.00 (FOUNDERS \$427.50)



Three-month zero interest Easy Pay Option available.

## The World's First "Straight Edge" for Corners!



SS-2x4A

How many times have you wanted to draw a line around a corner? Here are three tools designed to speed up the layout of any project where perfect adjacent lines are required. Please meet our Saddle Squares....

Use the **SS-2x4** when you need the convenience of a two-inch and four-inch leg in one tool. These squares will quickly become indispensable during your quest for "light-tight" work.

The **SS-DT** will work on all stock up to two inches thick. (*The overall length is 6-1/4" and the width is 7/8"*). This amazingly simple tool will allow you to lay out dovetails in either a 6:1 or 8:1 ratio with ease you cannot believe.

The **SS-2x4A** will rival your favorites.



SS-DT

SS-2x4

### SS-2x4 SADDLE SQUARE

**1101-025**.....**\$72.00** (FOUNDERS \$64.80)

### SS-DT DOVETAIL SADDLE SQUARE

**1101-122**.....**\$107.00** (FOUNDERS \$96.30)

### SS-2x4A ALUMINUM SADDLE SQUARE

**1104-025**.....**\$44.00** (FOUNDERS \$39.60)

*Custom Engraving: SS-2x4 & SS-DT: 6 characters.*

*The SS-2x4A cannot be personalized.*



Here is the first tool allowing you to lay out a line on end grain, referencing the narrow dimension of stock.



There is not a faster or more accurate way to lay out joints than with the help of our new Saddle Squares.



A Saddle Square is a perfect tool for joint layout when your stock is too small for a marking gage.



For rectilinear work, the SS-2x4 works ideal.



Dovetails have never been faster than with our SS-DT. One line, two planes. It doesn't get any easier than this.

## The Original Designer's Calculator Needs No Cords or Batteries!

## Imagine 25 Years of the Very Best Woodworking Tips from *Fine Woodworking*!



**On Sale!**

For purposes of photographic clarity, all markings on the PD-11 have been darkened. In actuality, they are diamond engraved in the brass.

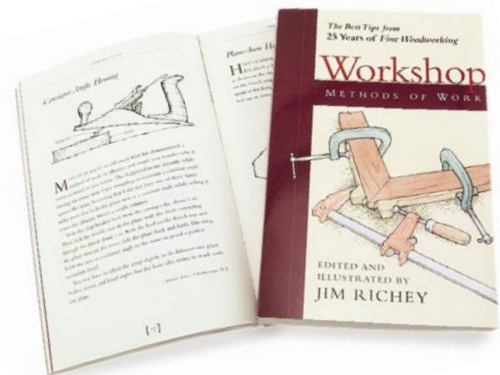
Traditionally, proportional dividers are used to increase or decrease the size of a project. As an example, you may want to enlarge a drawing or project by 50%. By using the 1:1.5 setting you can accomplish this task, and the 1:2 setting will either double a measurement or reduce it by one half. A proportional divider is a useful workshop companion and our **PD-11** is the best of the breed.

### PD-11 PRECISION PROPORTIONAL DIVIDER

**1101-157**.....**\$259.00** (FOUNDERS \$233.10)

**SAVE OVER \$51**.....**\$207.20** (FOUNDERS \$186.48)

*Custom Engraving: 14 characters.*



*Fine Woodworking's "Methods of Work"* is the premier magazine forum where woodworkers share their best tips and techniques. Now you can get hundreds of imaginative shop strategies, set-ups, jigs and techniques to help solve your most vexing woodworking problems all in one cherished volume. This may be the most fun-to-read woodworking book we have reviewed. Highly recommended. 234 pages, softbound.

### WORKSHOP METHODS OF WORKS

**4401-018**.....**\$12.95** (FOUNDERS \$11.65)



## Keep Your Tools Lasting For Generations With The Boeshield® Tool Care Kit, an Indispensable Shop Must!

We invite you to try **Boeshield®** in your shop, as you will find like we did, this stuff works magic! Developed by Boeing, **Boeshield® T-9** is a non-greasy lubricant, great for power tools and all moving parts made from metal. It is a phenomenal rust inhibitor and even works as a superb finish film for your tools. The **Blade & Bit™** works great for removing resin, gum and pitch while the **Rust Free™** can be used to remove rust and stains from

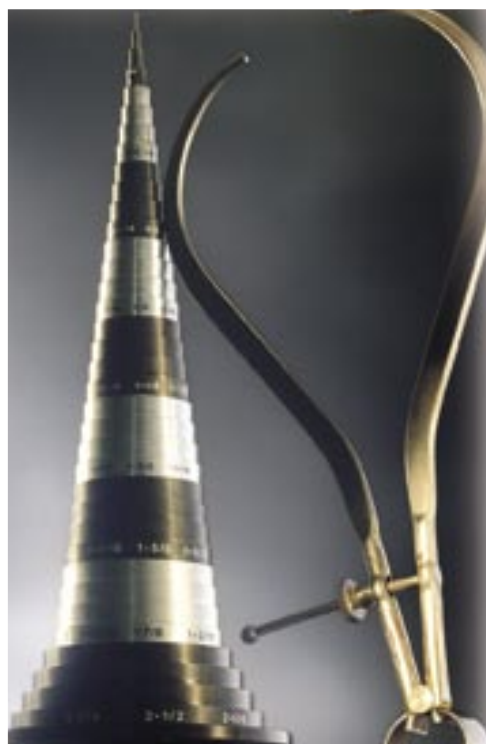
any surface. Use the **Boeshield® Tool Care Kit** on all machine tops, rulers, you name it, if it is made from metal, this care kit will help to maintain and protect. Highly recommended!

### BOESHIELD® TOOL CARE KIT

2213-003.....\$26.95  
(FOUNDERS \$22.25)



## Quickly and Accurately Set Your Outside Calipers!



The **TT-1 Turning Tree** is a circular ruler designed primarily for furniture makers who use turnings in their work. The tolerance on each diameter is  $\pm 0.005$ ",  $-0.000$ ", insuring that you will never again turn an undersized part.

There are 32 different reference sizes that are sized by  $\frac{1}{16}$ " to correspond with the most common drill sizes found in the wood shop and there are four that vary by  $\frac{1}{4}$ " increments.

The **TT-1** comes with a beautiful rosewood base that displays and protects your investment. The **TT-1** is a must for furniture makers who use turned components in their work.

### TT-1 TURNING TREE

1102-054.....~~\$169.00~~ (FOUNDERS ~~\$152.10~~)  
**SAVE OVER \$25.00.....\$143.65** (FOUNDERS \$129.29)

*Custom Engraving is Not Available.*



Outside calipers are easily and precisely set with the **TT-1** Turning Tree.



To set your inside calipers, simply set your outside calipers and transfer the setting from one to the other.



Individual sections of the **TT-1** Turning Tree are also handy as circle templates.

*On  
Sale!*

## Scroll Saw Owners: This is the Small Bridge City Square You Have Been Looking for!

Setting a scroll saw to cut square is a chancy proposition (*until now*). This beautiful solid brass square will fit in the throat of any scroll saw and other confined corners. Ninety degree leg is 1.85". Works great for 45 degrees too. Accurate to within 0.001" on all angles, the **SS-1** really shines for all small scale work.



This little square is perfect for all small scale work.

### SS-1 SCROLL SAW SQUARE

1102-084.....\$19.95 (FOUNDERS \$17.96)

*Custom Engraving is Not Available.*

## FINALLY! A Shop Apron that Will Hold Up to the Test of Time.

Face it, you need an apron to protect your clothes or provide extra pockets. The Ballistic apron is the most comfortable apron you will ever wear. Designed specifically for the woodworking professional, it is crafted with ballistic nylon for durability and has 14 strategically located pockets with straps going over the shoulders for added comfort. Stitched with the Bridge City Tool Works logo in the front, you will have a classy, durable apron you can confidently wear for years.

*Available in Green or Black, please specify when ordering.*

### SHOP APRON

6630-001.....\$49.95 (FOUNDERS \$44.95)



## Your Wood Shop Should Not Be Without an Accurate Reference for Flatness

The **SE-24 Precision Straight Edge** is the perfect tool for checking plane soles, sighting wear in machine castings, setting up jointers, spotting the wind in a plank, and a myriad of other uses. With 24 inches of precision ground hardened steel, this tool is

accurate (*plus or minus .002"*) and a dependable resource for the demanding craftsman. Its satin chromed finish prevents humidity and the natural acids in your hands from ruining the appearance and eventually the accuracy. Every shop needs one and our **SE-24** is an extraordinary buy. This is one of our most popular tools and is highly recommended.

Our SE-24 has one hole on each side for the convenience of wall storage.

### SE-24 PRECISION STRAIGHT EDGE

**1101-003.....\$59.00** (FOUNDERS \$53.10)

*Custom Engraving is Not Available.*

#### Specifications

**Dimensions:** 24" length, 1-1/2" width, 3/32" thickness.  
**Parallelism:** Plus or minus .002" over blade length.

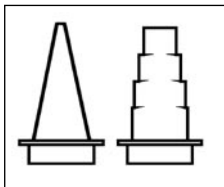
## WOW! The Only Glue Bottle that WILL NOT Drip, Spill Or Get Clogged!

How many times did you have to stop in the middle of a project to clean up glue spills or drips? Well, never again will this be a problem if you use the **Glu-Bot**. This ingenious device is a must-have for all woodshops.

- Spill-Proof Nozzle
- Easy-Squeeze Bottle
- Never Drip Again
- No More Messy Tips

The Glu-Bot comes with two different tips for dispensing glue

Yorker  
Style



Flat  
Blade  
Style

GLU-BOT (4 Oz.)

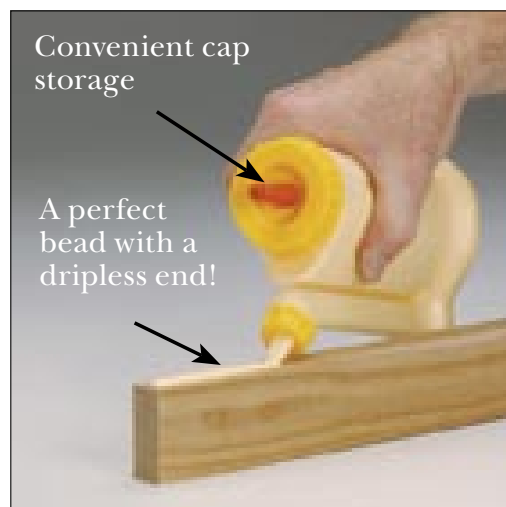
**6630-002.....\$3.95** (FOUNDERS \$3.55)

GLU-BOT (16 Oz.)

**6630-003.....\$5.95** (FOUNDERS \$5.35)

Convenient cap  
storage

A perfect  
bead with a  
dripless end!



## Our Pantograph is Fast, Accurate and Easy to Use

Enlarging furniture plans, laying out stained glass windows, quilting, super graphics, signs, and holiday cut-outs are a few of the many functions of the **PG-27 Pantograph**. The

**PG-27** will allow you to enlarge images from 1:1 to 12 times their original size.

*On Sale!*

PG-27 PANTOGRAPH

**1101-160.....\$179.00** (FOUNDERS \$161.10)

**SAVE OVER \$53.....\$125.30** (FOUNDERS \$112.17)

*Custom Engraving: 3 characters.*

## Everything You Need to Know to Design a Great Workshop

Everyone has their own idea of a perfect workshop. Whether it be in your basement or garage, large or small, this book will show you how to make that dream into a working reality! Bill Stankus offers wonderful, but more importantly, practical suggestions for rethinking your own creative environment. Get outstanding ideas for maximizing storage and ways to safely and efficiently organize your shop.

HOW TO DESIGN & BUILD YOUR IDEAL WOODSHOP

**4428-018.....\$27.99** (FOUNDERS \$25.19)





## Our Popular Combination Square Provides Accuracy You Can Trust

Combination squares with sliding blades involve moving parts and moving parts wear. Over time, the blade movement across the cast reference surface will erode the square's head, creating a "rockered" surface that is extremely problematic for a layout tool.

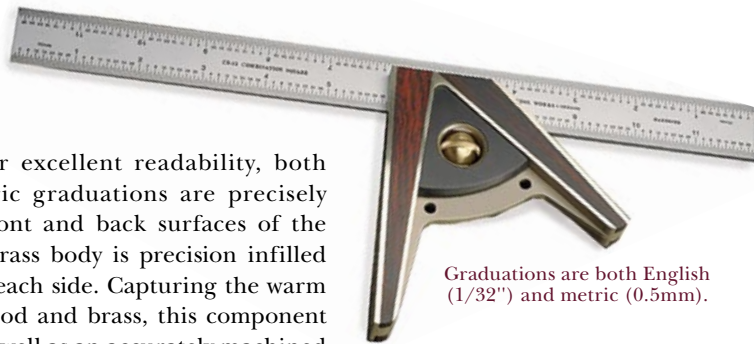
We are pleased to offer the **CS-12 Combination Square**. To ensure accuracy between the blade and the square head over time, we have recessed two steel friction pads into each **CS-12 Combination Square** head that are much closer to the hardness of the steel blade. This allows us to use a brass body which does not rust in humid environments and maintains accuracy as well as a unique appearance.

Satin-chromed for excellent readability, both English and metric graduations are precisely aligned on the front and back surfaces of the blade. The solid brass body is precision infilled with rosewood on each side. Capturing the warm combination of wood and brass, this component is an inspiration as well as an accurately machined reference (*within 0.002" on both the 90 and 45 degree legs of the tool*). The grace, dignity and simplicity of the **CS-12** creates a stunning example of our motto, "Quality is Contagious." Your efforts will significantly improve with this beautiful crafted tool in your hands.

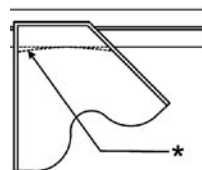
### CS-12 COMBINATION SQUARE

**1101-082**.....\$189.00 (FOUNDERS \$170.10)

Custom Engraving: 6 characters.



Graduations are both English (1/32") and metric (0.5mm).



Wear almost invariably occurs at the edges first. Here is what happens when a hardened blade slides over a softer cast seat.

Over time, the result is a tool with unpredictable accuracy. \*Note the eroded reference that the blade must seat itself against when tightened. Our CS-12 eliminates this problem.

## This is Simply the Coolest and Most Useful Wrench We Have Ever Used!

There is nothing wrong with traditional slip-joint wrenches and pliers...until you use this amazing invention. First, and thankfully, it has **SMOOTH JAWS**, so you can use this wrench on projects where your nuts and bolts are exposed—plumbing fixtures, motorcycles...you name it. Second, it works like a ratchet making it blazing fast. Finally, it very quickly adjusts to a myriad of sizes up to a maximum capacity of 1-3/4" almost instantly and combines the jobs of a gripping plier and a wrench in a single tool. This is the best plier we've ever used. Period. And we are confident you will agree! Highly recommended.

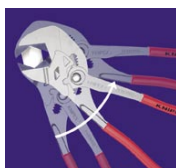
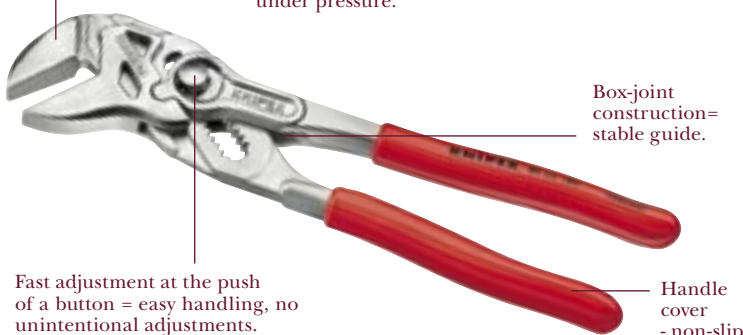
Parallel, smooth gripping jaws - infinitely adjustable. Work pieces can be gripped carefully: no play under pressure.

Box-joint construction = stable guide.

Fast adjustment at the push of a button = easy handling, no unintentional adjustments.

Handle cover - non-slip

Instant adjustable—jaws always parallel. Works using the ratchet principle.



### KNIPEX PLIER WRENCH

**6650-001**.....\$66.50 (FOUNDERS \$59.85)

## You'll Receive Plenty of Compliments in this Handsome Hat!



Here's a hat we're proud to put our moniker on. Made of black cotton twill with a tan suede bill and an adjustable suede strap in the back. A classy looker, made in America. One size fits all.

### BRIDGE CITY HAT

**6924-003**.....\$15.95 (FOUNDERS \$14.35)

### Our Lifetime \$5.00 Guarantee

#### Recalibrate • Resquare • Replacement Option

These are the three "Rs" of Bridge City Tool Works:

As an owner of a Bridge City Tool Works tool, you may get it recalibrated or functionally repaired for five dollars per tool. **Tools with excessive fire/flood or abuse damage are typically deemed functionally unrepairable by our Repair Department and may be used (at our discretion and with your permission only) as a 20% credit towards an identical or similarly sized, priced and functionally equivalent tool if available.**

A tool is worthless if it is not within a reasonable and proper tolerance suitable to your needs. We ought to know, this is how we came to be. We invite you to compare our tools with any production hand woodworking tools made in America, Europe or Japan.

## MAC or PC—Argon is the Perfect Solid Modeler for Woodworkers!

We are pleased to introduce you to **solid models**—an incredibly powerful new concept—and share with you how easy it is to generate ideas using **Argon**, the most affordable and easy-to-use professional solid modeler available today.

As a process, **solid modeling** is uncannily similar to working with wood: you shape, bed, cut, stretch, shrink, drill and otherwise manipulate "virtual wood" on the screen with tools similar in function to the tools in your shop. If you don't like it, **CHANGE IT!** The ability to quickly reject and reaffirm ideas is the reason why all serious woodworkers should employ **solid modeling** in their shop. Furthermore, if you are in a woodworking business, you cannot afford to be without this phenomenal tool.

**Solid modeling** is a combination of 2D and 3D modeling techniques. In figure 1, all of the images were created from the 2D wireframe marked "A." "B" is a 3D wireframe. "C" has a section of the 3D wireframe skinned. "D" is a 3D mesh. "E" and "F" are **solid models** with transparency turned on for "F." Turning "A" into "F" in **Argon** involves a single mouse click!

The excuse "I cannot draw" does not fly with **Argon**. In figure 2, changing the graceful curve of the blue spline to that of the red spline involved selecting point "A" (circled for clarity) and moving it to "B." The ability to make graceful curves is particularly important to woodworkers.



FIGURE 1. TURNING "A" INTO "F" IN ARGON INVOLVES A SINGLE MOUSE CLICK!

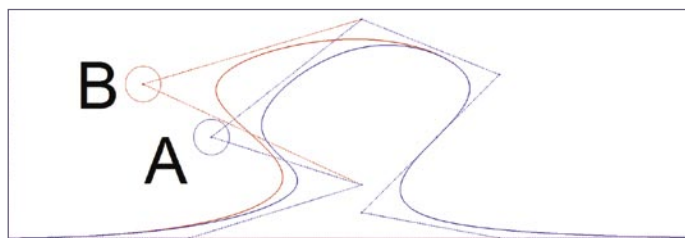
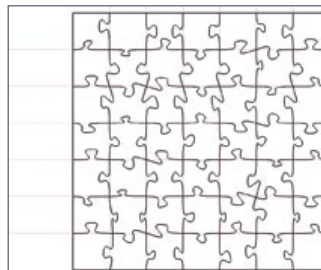


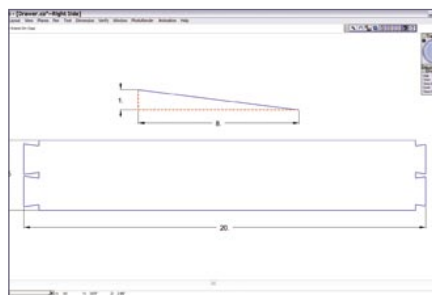
FIGURE 2. EACH CURVE IN THIS PUZZLE IS A CLONE OF THE FIRST, AND EACH CLONE UNIQUELY "TWEAKED" (AS SHOWN) TO BECOME DIFFERENT FROM THE OTHERS. IT'S FAST, EASY AND FUN WITH ARGON.



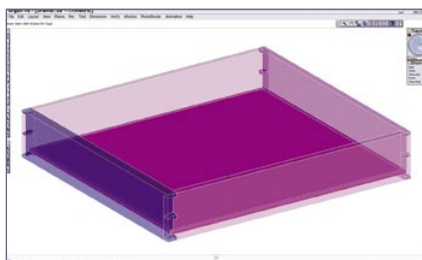
THIS PUZZLE WAS MADE WITH 83 CLONES OF A SINGLE SPLINE CURVE. THE SECRET TO CAD IS TO DRAW AS LITTLE AS POSSIBLE. DRAW ONCE AND MAKE A COPY—DRAGGING YOUR COPIES TO THE GRID IS LITERALLY A SNAP WITH THE DRAFTING ASSISTANT FEATURE. COPY, PASTE, ROTATE, MIRROR AND "TWEAK" WERE THE TECHNIQUES USED TO MAKE THIS PUZZLE IN ABOUT 15 MINUTES TIME!

**WATCH A VIDEO ON HOW EASY IT IS TO CREATE THIS PUZZLE BY USING ARGON AT [HTTP://WWW.BRIDGECITYTOOLS.COM](http://www.bridgcitytools.com).**

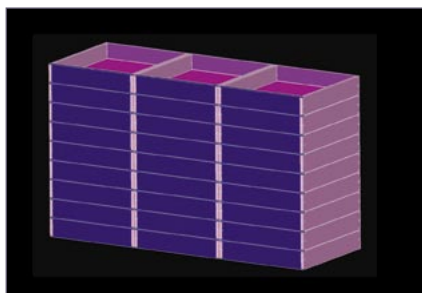
**Solid modeling** and woodworking are kindred spirits. The steps needed to create a solid model mirror the process in your shop with wood. Numerous dovetail drawers can be completed primarily from a single 2D profile! Once you have one drawer, creating a new size is nothing more than stretching, pulling, or shrinking to a new size. This is the power of **solid modeling**—every model you make is a foundation for a future model and the longer you solid model, the faster and more efficient you become!



THE TOP 2D WIREFRAME WAS CREATED TO FIND THE ANGLED LINE FOR AN 8:1 DOVETAIL PROFILE. NEXT, A BASIC RECTANGLE WAS CREATED. FINALLY, THE ANGLED LINE WAS CLONED, MIRRORRED AND POSITIONED TO CREATE ALL OF THE DOVETAIL PROFILES. THE NUMEROUS "LOOSE ENDS" WERE ALL CONNECTED WITH THE NIFTY CORNER TRIM TOOL. THIS DRAWING TOOK APPROXIMATELY 2 MINUTES.



THE DRAWER SIDES HAVE BEEN MADE TRANSPARENT AND IT IS EASY TO SEE THE BOTTOM NOW IN PLACE. EVERY SOLID MODELING PROJECT YOU MAKE FOLLOWS A SIMILAR WORKFLOW AS THIS DRAWER EXAMPLE.



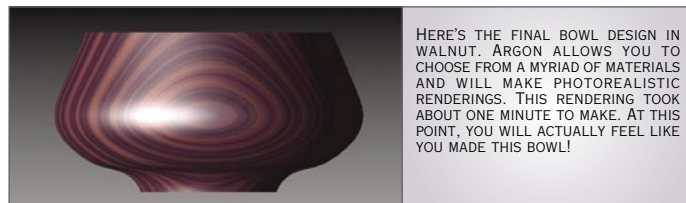
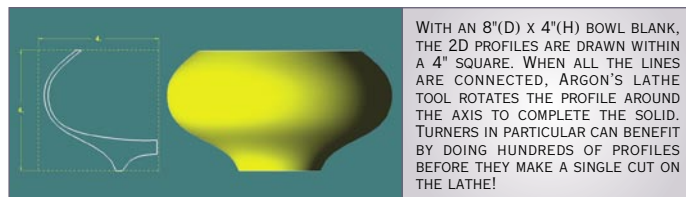
WITH ONE DRAWER YOU CAN CREATE DOZENS. THESE 27 DRAWERS ARE ALL CLONES OF A SINGLE DRAWER AND THIS MODEL TOOK LESS THAN 30 SECONDS TO MAKE WITH ARGON'S POWERFUL TOOLS. EACH AND EVERY ONE OF THESE DRAWERS ARE THE OFFSPRING OF THE 2D DRAWING MADE AT THE BEGINNING OF THIS EXERCISE.

**LEARN THE BASIC STEPS TO MAKE THE SOLID MODEL OF THIS DOVETAILED DRAWER AT [HTTP://WWW.BRIDGECITYTOOLS.COM](http://www.bridgcitytools.com).**



**A**rgon is a powerful tool for exploring shapes. The 3D *solid modeling* capabilities allow you to explore any shape variations—the idea is to be able to reject the bad ideas and find your best effort! This is so fast and fun that your work can't help but become visually stronger.

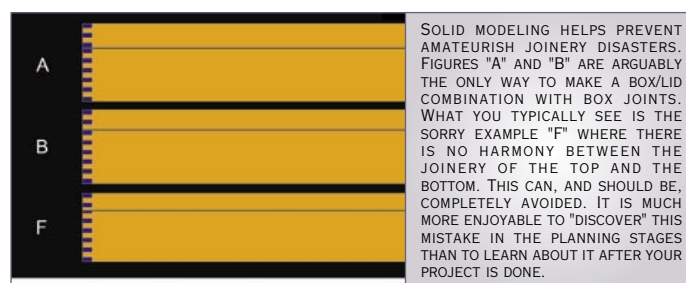
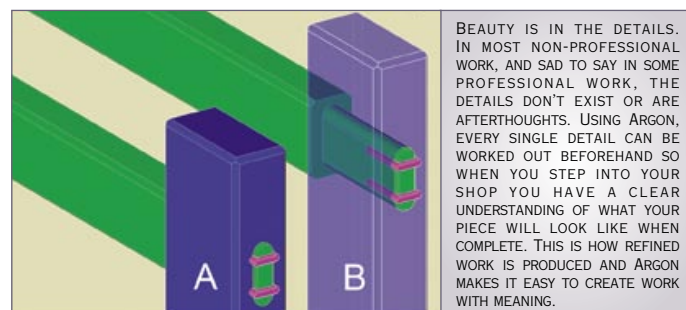
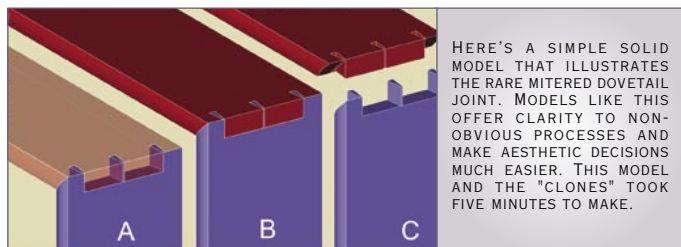
These bowl idea illustrations to the right took minutes to create. The colors in the screen shots have been changed to reflect the different looks you can achieve in *Argon*. Most important, there are now ideas to REJECT! Typically, you would have 10-20 different ideas before settling on a final design. Often you will end up with three or four really great ideas for future projects—another benefit of taking the time to find out what surprises reside in your head.



WATCH A VIDEO DEMONSTRATION ON HOW WE MADE THE SOLID MODEL OF THIS BEAUTIFUL BOWL AT  
[HTTP://WWW.BRIDGECITYTOOLS.COM](http://www.BridgeCityTools.com).

**W**e are confident solid modeling will make your shop time more efficient and your work more accurate—an immeasurably powerful combination that may be difficult to immediately comprehend. Your imagination is the only limit to the uses of *solid modeling*.

We believe you will truly love making solid models. *Solid modeling* is the most fun woodworkers can have on a computer. The big benefit is planning all of your construction details before you set foot in the shop. By clearly defining all of your future actions in the shop, you become more efficient. More important, *solid modeling* gives you a pain-free method to reject ideas and dramatically decreases the ability to pollute the visual landscape! In addition, *Argon* on a laptop allows you to extend your woodworking wherever you go, on the plane or train...what's not to like about *solid modeling*?



**T**he features and benefits of *Argon* are too much to address. To help you fully appreciate the powerful capabilities of this amazing solid modeler, we have made available for download video demonstrations of fun and easy projects (listed below) made with *Argon* at <http://www.bridgcitytools.com>. Click on the tab labeled: **SOLID MODELING**. None of these projects are difficult or time consuming, all are fun, and the narrative creates a nice overview of this wonderful program.

#### Is Argon Easy to Use?

Making A Jigsaw Puzzle Pattern With Argon's Basic 2D Tools  
 Using Argon To Make Solid Model Wood Lathe Profiles  
 Rendering With Argon: A Solid Model Of A Mahogany Bowl  
 Using Argon To Solid Model A Dovetailed Drawer  
 Making Working Drawings With Argon

ARGON CD-ROM & MANUAL SET \$895.00 (FOUNDERS \$840.00)  
 ARGON.....\$995.00 **MEMBERS SAVE \$155!**

Shipping & Handling is \$9.95. Foreign orders are charged at cost.  
 Please allow 2 to 3 weeks for delivery.

ARGON E-VERSION (EXCLUDES CD-ROM & MANUAL)  
 ARGONE.....\$795.00 (FOUNDERS \$745.00)



ARGON E-VERSION requires web download.  
 The printable manual is built into the program.

Easy Pay Option: 12 Credit Card Installments plus S&H Available upon request.



# Here's Your Opportunity To Learn *Solid Modeling* Up Close And Personal with John Economaki!



This affordable, two-day seminar is specifically oriented to woodworkers and is guaranteed to give you the confidence to make sophisticated, visually appealing solid models by day two.

***Solid Modeling for Woodworkers*** is taught by John Economaki, a trained educator, woodworker, and the designer of all Bridge City tools. John has been involved in woodworking since the mid 1960's and has a wealth of information he shares regarding design and the solid modeling process during this informative two-day experience. He has been designing products exclusively by computer since 1990 and will show you the tips and techniques he has acquired through the years,

while demonstrating the power and numerous benefits of Argon—the easiest to learn professional solid modeler available today!

Whether you're a complete CAD novice, or you're looking for a way to dramatically expand your woodworking hobby or business, ***Solid Modeling for Woodworkers*** will teach you many new skills and give you much to think about!

In this comprehensive 2-Day Seminar on CAD (*Computer Aided Design/ Drafting*), you will learn:

- How to create 2D and 3D geometry
- How to take advantage of the many CAD shortcuts available in CAD programs
- How to make 3D geometry using 2D drafting tools
- How to create automatic multi-view orthographic prints
- How to create photo-realistic models and prints
- How to develop a meaningful workflow that increases productivity
- And much more!

**REGISTRATION DEADLINE IS JULY 1, 2005**

**ORDER NO.:** CAD

**DATE:** July 15 & 16, 2005 (*Friday and Saturday*)

**TUITION:** \$199.00 (*Founders \$189.00*)

**LOCATION:** 920 NE 58th Ave, Ste 100 Portland, OR 97213

**TIMES:** 9am to 4pm each day (*two 15-minute breaks and 1 hour for lunch*)

**CAD PROGRAM/Solid Model Program:** Argon

**PAYMENT TERMS:** Payment in full upon registration. Tuition does not include transportation, meals or lodging.

**REFUND POLICY:** One week notice is required for a full refund.

Prior CAD/solid model program experience is not required. This seminar is specifically designed to appeal to beginners and for those who took John's class last year. If you would like to bring your laptop, great "we will provide software for the class", however a computer is not required for this class.

## Now You Can Achieve Quick and Easy Profile Sanding



Sanding non-flat surfaces has never been an easy task. However, the **Vario-Pro** is an ingenious little tool designed to make profile sanding a breeze. In its most basic form it is a sanding block, BUT with a simple turn of a wing nut you can adjust the **Vario-Pro's** sanding surface to fit any profile. This is ideal for sanding moldings, coved corners, banisters, furniture...you name it! The **Vario-Pro**

also removes router and shaper burns in a snap. Just follow these steps and the instructions:

- 1) To adjust to a new profile, loosen the screw with the included hex key.
- 2) Adjust the lamellas by pressing the tool into the desired profile.
- 3) While keeping pressure on the tool, tighten the fixing screw, locking the lamellas in place.
- 4) Mount the sand paper one side at a time, with the lamellas and the sand paper pressed into the profile.
- 5) You're ready to sand!

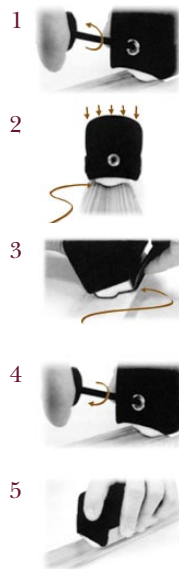
Due to its ability to conform to shape, the **Vario-Pro** holds your sandpaper consistently flush with the surface you are sanding. This allows you to attain perfect uniformity along the length of your workpiece. Also, the **Vario-Pro's** comfortable handle will save your hands from the fatiguing hours of fingertip sanding. Grab one of these for yourself today.

**VARIO-PRO PROFILE SANDER**

**8894-001.....\$49.95** (FOUNDERS \$44.95)

**VARIO-PRO 220 GRIT SANDING SHEETS (100 PER PACK)**

**8894-002.....\$22.50** (FOUNDERS \$20.25)





## Our Popular Japanese Hand Saws

JS-1



### There Isn't a Joint You Can't Confidently Cut With Unprecedented Accuracy and Speed Using the JS-1 Dozuki Saw.

No shop should be without this phenomenal cutting tool, regardless of how many saws you currently own. With a maximum cutting depth of 1-1/2", our 32 teeth per inch **JS-1 Dozuki Saw** is an extremely fine tooth backsaw used primarily for cutting joints. Perhaps the finest Dozuki saw in America today, the blade is an astonishing 0.20mm thick, which is only eight thousandths of an inch! It simply is the smoothest cutting saw we have ever used! Once cut, the wood feels and appears like it was hand planed. We guarantee you have not used a saw that works or cuts as well as this professional Dozuki back saw.

JS-1 DOZUKI BACK SAW

1101-130.....\$89.00 (FOUNDERS \$80.10)

JS-1 REPLACEMENT BLADE

1101-130RB.....\$39.00 (FOUNDERS \$35.10)

JS-2



**Our Most Popular General Purpose Saw.** The Ryoba is the most popular saw used by woodworkers in Japan. Our **JS-2 Ryoba** has crosscut teeth on one edge and rip teeth on the opposite edge—it makes great economical sense. This professional grade saw comes in various sizes in Japan, with progressively larger teeth as the saw edges become longer. Our Ryoba is perfectly sized for furniture or cabinetmakers and also works well for finish carpenters. The crosscut saw has 15 teeth per inch, the rip saw 8 teeth per inch. Remember, let the saw do the work and you won't believe how easy it is to cut wood by hand!

JS-2 RYOKA RIP/CROSSCUT SAW

1101-132.....\$78.00 (FOUNDERS \$70.20)

JS-2 REPLACEMENT BLADE

1101-132RB....\$39.00 (FOUNDERS \$35.10)

JS-3



**For Fine Deep Cuts, the JS-3 is the Perfect Choice.** This exquisite saw is used for fine, deep cuts and deep cheek joinery. A very popular furniture making saw, our Kataba has 20 teeth per inch dispersed over nearly nine inches. Because this is not a backsaw, blade thickness is 0.40mm (0.016"). The **JS-3 Kataba Saw** is the tool of choice when you need cuts deeper than possible with a Dozuki. Perfect for tenons and larger dovetails as well as general purpose sawing needs. It is a delightfully efficient and accurate cutting tool with a perfect balance.

JS-3 KATABA SAW

1101-134.....\$79.00 (FOUNDERS \$71.10)

JS-3 REPLACEMENT BLADE

1101-134RB....\$39.00 (FOUNDERS \$35.10)

#### Specifications

**Handle:** Hand wrapped with a special braided cord and the ends capped with brass ferrules.

**Blade:** High grade Japanese steel.

*Custom Engraving: 5 characters.*

JS-4



**A Zero Set Saw for Perfect Flush Cuts.** Anytime you want to cut a protruding member flush with a surface, this is the tool for the job. Unlike other flush cutting saws, this blade is replaceable. The **JS-4** works perfectly for cutting back protruding joinery including dovetails, dowel joints, mortise and tenons and much more. There is ZERO set to the fine teeth (32 per inch) and therefore it is almost impossible to score or scratch your reference surface. The **JS-4** cuts on the PULL stroke and is extremely fast cutting. We do not believe you will find a better performing flush cut saw, nor one that is easier to use, anywhere.

JS-4 FLUSH CUT SAW

1101-170.....\$59.00 (FOUNDERS \$53.10)

JS-4 REPLACEMENT BLADE

1101-170RB...\$24.95 (FOUNDERS \$22.45)

JS-5



**Here's a Small Dozuki Saw for Small or Delicate Joints.** For smaller, more delicate joints, such as tiny dovetails, added control over your saw becomes a necessity. With the **JS-5** in your hand, there isn't a joint you can't cut with confidence, speed and unprecedented accuracy. Like that of our JS-1, the blade of the **JS-5** is a mere 0.20mm (0.008") thick, giving you ultra precise cuts every time. The **JS-5** blade also shares the same depth of cut as the JS-1: roughly 1-1/2" inches. The important difference between the two saws is the cutting length, with the **JS-5** giving you a heightened sense of control for all your intricate joinery projects.

JS-5 6" DOZUKI SAW

1101-171.....\$59.00 (FOUNDERS \$53.10)

JS-5 REPLACEMENT BLADE

1101-171RB.....\$24.95 (FOUNDERS \$22.45)

JS-6



**Here's a Saw with Two Distinct Crosscut Grinds.** The Ryoba style saw is without question, the most frequently used hand saw in Japan. One side is for crosscutting and the other for ripping. Our **JS-6** looks like a Ryoba but is substantially different. This saw has two distinct crosscut grinds, one with 15 teeth per inch, and the other with 20 TPI. The fine side of the **JS-6** is used for smaller cross-section cuts or where you desire a finer finish on the end grain. This was a logical design choice because our research indicates that very few of our customers rip saw by hand.

JS-6 DOUBLE CROSSCUT SAW

1101-180.....\$78.00 (FOUNDERS \$70.20)

JS-6 REPLACEMENT BLADE

1101-180RB.....\$39.00 (FOUNDERS \$35.10)

Tool

Overall Length

Cutting Length

Blade Thickness

JS-1

20-3/8"

7-7/8"

0.20mm/0.008"

JS-2

23-3/8"

8-3/4"

0.49mm/0.0195"

JS-3

21-1/2"

8-7/8"

0.40mm/0.016"

JS-4

16-1/4"

6-5/8"

0.20mm/0.008"

JS-5

15-1/4"

5-1/2"

0.20mm/0.008"

JS-6

23-3/8"

8-3/4"

0.49mm/0.0195"

# The CT-12 40° Bench Plane

## LESS than 100 Remaining!

The twelfth edition of our popular Commemorative Tool series is the **CT-12 40° Bench Plane**, a new, frogless, adjustable throat bench plane that will challenge your notions of how a plane should work.

This limited-edition plane introduces an articulated iron cap (or cap iron) that looks and works different than any other iron cap. This device (*patent pending*) “pre-loads” the cutting edge with a force greater than any resistance encountered during use. In addition to functioning as a chip breaker, the additional mass directly behind the cutting edge introduces a new dynamic—a tensioned and dampened plane iron cuts better and sounds different than any plane you have used.

Most, if not all, plane irons suffer from some degree of chatter because a portion of the iron must be unsupported to protrude through the sole. The articulated iron cap of the **CT-12** prevents chatter by adding tension and mass to this area, significantly changing how a plane cuts, and the proof is in the results and the sound. With the **CT-12**, it quickly becomes apparent that you do not need a “head of steam” to make consistent shavings. With a “pre-loaded” and dampened iron, producing a uniform shaving from beginning to end is amazingly easy.

Perhaps the most remarkable aspect of the articulated iron cap is that it allows you to make cutting depth changes “on the fly” without loosening the iron! Although the iron is tensioned with more force than the resistance it will encounter, it is not fully tensioned! By slightly tightening the cap knob, you can vary the shaving thickness up to 0.003". This simply has to be experienced in the shop to be fully appreciated.

We have significantly lengthened the nose on the **CT-12**—the sense of improved control prior to the beginning of a cut is immediate. The forty-degree pitched iron (*bevel down*) is equally at home surfacing face, edge or end-grain, in either hardwoods or softwoods. (*Lowering the attack angle five-degrees requires less user effort and creates a much more*

*enjoyable woodworking experience.*) The iron is cryogenically tempered A2 tool steel (*Rc 60-62*) and is lapped, sharpened and ready to use out of the box. And when it comes time to sharpen the iron, you will immediately appreciate not having to take apart the traditional double iron assembly found on most planes.

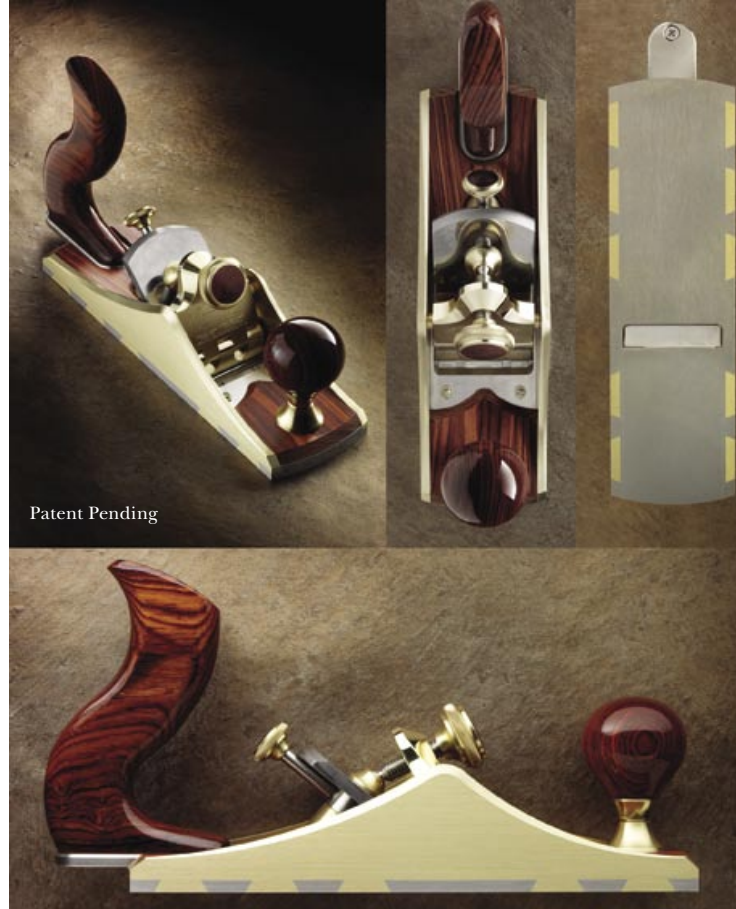
The sole and adjustable throat plate are machined from stainless steel and the brass sides are attached using a double dovetail joint. The blade is adjusted using a modified “Norris” style mechanism that addresses the depth of cut and blade skew.

The **CT-12 40° Bench Plane** truly creates a new performance standard and will successfully work on many woods that are difficult, or impossible with other similar sized planes. The “beta woodworkers” who have used the prototype simply cannot believe the feel, sound and benefits this plane provides. The ability to finely change depth in less than a second or two, combined with an unparalleled ease of use truly makes the **CT-12** a peerless tool. We do not believe there is a finer cutting plane available today. And as with all Commemorative tools, we only make them once and they always sell out. So don’t delay, order yours today!

**The CT-12 is offered exclusively to Founder’s Circle Members.** Please specify Wax or Lacquered finished handles at the time of order. A 50% deposit is required to secure your order (*plus \$15.95 shipping and handling; this is a heavy parcel*).

### 2004 COMMEMORATIVE TOOL

#### Signature Series Limited Edition



**LOOKS different...SOUNDS different...  
WORKS different...AND CUTS LIKE NO OTHER PLANE!**

#### Specifications

**Weight:** 5.5 lbs. **Height:** 5.62" **Sole Width:** 2.77" **Sole Length:** 9.63"  
**Cutter Width:** 2.1" **Attack Angle:** 40°



Six-month zero interest Easy  
Pay Option available.

CT-12 40° BENCH PLANE  
**1200.....\$895.00**

CT-12 40° BENCH PLANE (WAXED FINISH)  
**1200W.....\$895.00**

CT-12 REPLACEMENT IRON  
**1101-185RB.....\$59.00**

CT-12 40° BENCH PLANE WITH CASE  
**1200C.....\$1015.00**

CT-12 40° BENCH PLANE WITH CASE  
(WAXED FINISH)  
**1200WC.....\$1015.00**

*Custom Engraving: 24 characters.*



The articulated iron cap significantly changes how a plane cuts, and the proof is in the sound and ease of use.



### Order Online or by Email

Orders placed online at [www.BridgeCityTools.com](http://www.BridgeCityTools.com) are fast and credit card information is secure with browser versions 4.0 and above. If you have made previous Bridge City credit card purchases, you may email your order to: [sales@bridgecitytools.com](mailto:sales@bridgecitytools.com). Please DO NOT send credit card information via email.

### Order by Phone

Call Toll Free 1-800-253-3332 in the United States and Canada. In Portland and elsewhere call 1-503-282-6997. For fast, friendly service call us Monday through Friday, 8:00 AM to 5:00 PM Pacific Standard Time. Please have your mailing label information and credit card handy.

### Order by Mail

Complete the order form, detach and mail enclosed in an envelope along with your check or credit card number. We accept payment by checks, money orders, Visa, MasterCard, American Express or Discover. Please include the expiration date and sign the form where indicated for all credit card orders. By using your own envelope to help eliminate waste, you may deduct \$1.00 from your mailed-in order!

### Order by Fax

Our FAX number is 1-503-287-1085. Please fill out the order form completely and include your credit card number, expiration date and signature. Sorry, no COD's.

### Custom Engraving

Most of our tools can be personalized for an additional charge of \$2.00 per letter (punctuation is free). The first three letters are free for Founder's Circle Members. Please indicate your preference on the order form.

### Shipping

We ship all non-personalized in-stock items within 24 hours. In most cases, your order will arrive within ten working days. We ship US Priority Mail and UPS. For faster service, select 2nd Day Air for an additional \$10.00 or 1st Day Air for an additional \$15.00. This applies to in-stock merchandise only, backorders will ship regular ground service.

### International Orders

We accept orders via credit card or check in US funds only. In Canada, call us toll free at 1-800-253-3332, elsewhere call 1-503-282-6997 or FAX your order to 1-503-287-1085. Shipping customs duties, taxes and administrative charges are paid upon delivery directly to UPS (COD). We ship Air Parcel Post to Canada and UPS Worldwide Express to other countries. No rush service available.

### Gift Wrapping

Any item can be gift wrapped for a nominal charge of \$4.50. This is a great service for anyone who waits until the last minute to shop. Simply indicate the appropriate item(s) on the order form.

### Gift Certificates

Indecisive about which tool would make the perfect gift for that special woodworker? May we suggest a Bridge City Gift Certificate? Available in \$5, \$10, \$25, \$50 and \$100.

### Sale Items

All sale items including over-stocks, special buys, and factory blems are offered to all customers with email addresses. Please update your customer record with a valid email address if you wish to receive notification of our popular sales.

**100% Satisfaction Guarantee.** We stand behind everything we sell. If for any reason you are not 100% satisfied with your purchase, simply return the item **WITHIN 90 DAYS** for an exchange or a full refund on the merchandise. Please use the detachable return label on your packing slip for convenience.

**Questions?** Call our toll free number **1-800-253-3332** if you have any questions regarding our products or services. Otherwise, email us at: [sales@bridgecitytools.com](mailto:sales@bridgecitytools.com).

**IMPORTANT NOTE:** Due to the handmade nature of Bridge City tools, wait lists occasionally occur. Our tools are special tools. If "WHEN" we deliver is more important to you than "WHAT" we deliver, you may at times be frustrated with us. For time sensitive gift purchases, please request a gift card if the tool is not immediately available. Prices are subject to change without notice.

CLIP TO MAIL YOUR ORDER

1

**YES! PLEASE notify me of your E-MAIL ONLY SPECIAL SALE!**

E-MAIL (PLEASE PRINT LEGIBLY)

Bridge City Tool Works is a proponent of e-mail privacy and we pledge NEVER to rent, sell or loan your confidential e-mail address. **Period.**

2

#### ORDERED BY:

#### SHIP TO:

Leave blank if same as "ORDERED BY" address.

NAME

NAME

COMPANY

COMPANY

ADDRESS

ADDRESS

CITY

STATE

ZIP

CITY

STATE

ZIP

DAY PHONE

DAY PHONE

E-MAIL (PLEASE PRINT LEGIBLY)

3

#### ITEM NUMBER

#### DESCRIPTION

#### QTY

#### ENGRAVING PLEASE PRINT

#### ENGRAVING \$2 / LETTER

#### PRICE EACH

#### TOTAL PRICE

**Bridge City Founder's Circle Membership, Circle One: Founder's Circle / Founder's Circle Plus**  
Your membership discounts apply to this order!

**\$45 / \$75**

4

#### METHOD OF PAYMENT

Please do not mail cash. Sorry, no COD'S.

☐ CHECK/MONEY ORDER (Payable to: Bridge City Tool Works)

☐ VISA ☐ AMERICAN EXPRESS

☐ DISCOVER ☐ MASTERCARD

EXP. DATE

CARD NUMBER

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SIGNATURE

#### SHIPPING & RUSH SERVICE

\$0-\$40 \$7.95

\$40.01-\$50 \$8.95

\$50.01-\$60 \$9.95

\$60.01-\$70 \$10.95

\$70.01-\$499.99 \$11.95

\$500.00+ FREE

Free shipping does not apply to foreign orders.

1<sup>st</sup> Day Air add an additional \$15.00

2<sup>nd</sup> Day Air add an additional \$10.00

Rush service is not available for Saturday/Sunday delivery.

#### SUBTOTAL

**SHIPPING & HANDLING**  
International orders are charged at cost

**RUSH SERVICE**  
See chart

By using your own envelope to help eliminate waste, you may deduct \$1.00 from your mailed-in order!

**TOTAL ENCLOSED**

**-\$1.00**

5

#### MAIL PREFERENCE SERVICE...HELP US ELIMINATE WASTE

Occasionally we make our mailing list available to carefully screened companies and organizations whose products and services may be of interest to you. If you prefer not to receive such mailings, please let us know. **(We do not make e-mail addresses available under any circumstances.)**

☐ PLEASE DO NOT MAKE MY NAME AVAILABLE TO OTHER COMPANIES.

☐ PLEASE DO NOT SEND ME BRIDGE CITY CATALOGS.

☐ I'M RECEIVING DUPLICATE CATALOGS. (Please send us both address labels, and we will consolidate your files.)

NAME

STREET

CITY

STATE

ZIP

☐ PLEASE NOTIFY ME IF ANY ITEM IN MY ORDER WILL BE DELAYED. (E-Mail address required.)

6

**Thank you for your order!**

Mail your order to:

BRIDGE CITY TOOL WORKS  
A DIVISION OF FINE TOOLS, L.L.C.  
920 N.E. 58TH AVE., SUITE 100  
PORTLAND, OR 97213-3786



## This Shear Does it All—in the Kitchen, Shop or Anywhere You Need Cutting Toughness!

Designed for the hunter, fisherman, camper, cook and woodworker—the **Task Master Shear** is a fantastic general purpose shear for heavy duty cutting tasks. The comfortable non-slip grip works for either right or left hand use and the high carbon stainless steel blades hold a razor sharp cutting edge longer than most. The serrated edge shines while cleaning a slippery fish, the bone notch permits a hold-fast grip on game or poultry bones, and in addition, the **Task Master Shear** is also a bottle opener, a nut cracker, a jar opener and a screwdriver that can get under rolled metal can lids to lift them off easily in addition to use on screws. A quick disassembly fastener allows you to quickly disconnect the blade for easy cleaning. Overall length: 8-7/8", 5.1oz.

TASK MASTER SHEAR 8820-004.....\$39.95 (FOUNDERS \$35.95)



## Our Popular Universal Squares are Five Tools in One



### Specifications

**Angle Accuracy:** Plus or minus 0.002" over major length, both 90 and 45 degrees. Graduations: Features two rules, English (1/32" & 1/16") or metric (0.5mm or 1mm) Finish: Aluminum Oxide (harder than steel)

We are very pleased to offer you these three inexpensive squares and believe you will find them indispensable after just one use! Precisely CNC milled from aluminum, these squares will stay true because they are solid metal. The **US-3** is super handy and easily fits into an apron pocket. The **US-4**, slightly bigger is a good all around bench square. Use the **US-4** or **US-6** for larger stock and squaring needs. Features include: English/metric ruler, height gage, marking gage, centering rule, hook rule, protractor, and power tool guide.

*Please specify English or metric graduation when ordering.*

### US-3 UNIVERSAL SQUARE

1101-163.....\$35.95 (FOUNDERS \$32.35)

### US-4 UNIVERSAL SQUARE

1101-165.....\$39.95 (FOUNDERS \$35.95)

### US-6 UNIVERSAL SQUARE

1101-167.....\$49.95 (FOUNDERS \$44.95)

### UNIVERSAL SQUARE SET

550.....\$119.00 (FOUNDERS 107.10)



Bridge City Tool Works  
A Division of Fine Tools, L.L.C.  
920 N.E. 58th Ave., Suite 100  
Portland, OR 97213-3786

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## QUICKLY Pick the Right Joint for Your Woodworking Project!



**The Joint Book** is your definitive joinery guide that provides step-by-step instructions for making every basic joint and with numerous variations. You'll get both hand tool methods and power tool techniques for making all the time-tested woodworking joints. Highly recommended. 192 pages, hardbound.

### THE JOINT BOOK

4428-015.....\$25.99 (FOUNDERS \$23.39)